

KW skeletal muscle cell; adipocyte cell; pericyte cell;
 KW inner ear utricle supporting cell; T-lymphocyte cell;
 KW endothelial cell tube formation; bone disorder; cartilage disorder;
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KW immune system cell infiltration.
 XX
 OS Homo sapiens.
 PN US2003100087-A1.
 PD
 XX 29-MAY-2003.
 PF 16-APR-2002; 2002US-00123912.
 XX 31-MAR-1997; 97WO-US005230.
 PR 12-JUN-1998; 98WO-US012456.
 PR 14-JUL-1998; 98WO-US014552.
 PR 28-AUG-1998; 98WO-US017888.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019093.
 PR 14-SEP-1998; 98WO-US019094.
 PR 14-SEP-1998; 98WO-US019177.
 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019437.
 PR 07-OCT-1998; 98WO-US021141.
 PR 29-OCT-1998; 98WO-US022991.
 PR 20-NOV-1998; 98WO-US024855.
 PR 01-DEC-1998; 98WO-US025108.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012527.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 05-OCT-1999; 99WO-US021547.
 PR 29-NOV-1999; 99WO-US023089.
 PR 30-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 30-NOV-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 16-DEC-1999; 99WO-US028565.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 22-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US003431.
 PR 18-FEB-2000; 2000WO-US003442.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 10-MAR-2000; 2000WO-US005841.
 PR 15-MAR-2000; 2000WO-US006319.
 PR 20-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 30-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015644.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US0747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-0080889.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00865028.
 PR 25-MAY-2001; 2001US-00865034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00883342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 08-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GENTH) GENENTECH INC.
 XX
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerltsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WP: 2004-008956/01.
 DR N-PSDB; ADD76208.
 XX
 XX New PRO nucleic acid, useful for recombinantly producing a PRO
 PT polypeptide and for manufacturing a medicament for diagnosing or treating
 PT a tumor.
 XX
 XX
 XX Claim 12; Fig 24; 638pp; English.
 XX
 CC The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or

CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems. PRO
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX

SO Sequence 285 AA;
Query Match 100.0%; Score 1451; DB 8; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,3e-144;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSLTPRKESPVSVSSKDGKLLATLALLALSSCC 60
D5 1 MDSTEREQSLTSCCKREEMKKECVSLTPRKESPVSVSSKDGKLLATLALLALSSCC 60
QY 61 LTVVSPFYQVAALOGDLASLRAELQGHHAELKPAAGAPKXGLLEAPAVTGLKTFEPPAP 120
D5 61 LTVVSPFYQVAALOGDLASLRAELQGHHAELKPAAGAPKXGLLEAPAVTGLKTFEPPAP 120
QY 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQIADSETPTIQGXYTFVFWMLSPKSGSALAE 180
D5 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQIADSETPTIQGXYTFVFWMLSPKSGSALAE 180
QY 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQIADSETPTIQGXYTFVFWMLSPKSGSALAE 180
D5 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQIADSETPTIQGXYTFVFWMLSPKSGSALAE 180
QY 181 KENKILVKEGYFFITGVQVLYTDKTYAMGHLIORKKXVHVGFDLSLVTFRCONNPEPTL 240
D5 181 KENKILVKEGYFFITGVQVLYTDKTYAMGHLIORKKXVHVGFDLSLVTFRCONNPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQALPRNAQISLDGDVTFPGALKL 285
D5 241 PNNSCYSAGIAKLEEGDELQALPRNAQISLDGDVTFPGALKL 285

RESULT 185
ADD87573 standard; protein; 285 AA.
ID ADD87573 standard; protein; 285 AA.
AC ADD87573;
XX 29-JAN-2004 (first entry)
DT Human PRO polypeptide #12.
XX Human PRO polypeptide #12.
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
XX tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
XX cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
XX liver; microvascular endothelial cell; glucose; FFA;
XX skeletal muscle cell; adipocyte cell; pericyte cell;
XX inner ear utricular supporting cell; T-lymphocyte cell;
XX endothelial cell tube formation; bone disorder; cartilage disorder;
XX sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
XX rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
XX immune system cell infiltration.
XX

OS Homo sapiens.
XX
XX US2003092113-A1.
XX
XX 15-MAY-2003.
XX
XX 16-MAY-2002; 2002US-00147523.
PF

XX 09-DEC-1999; 99US-0170262P.
PR 01-DEC-2000; 2000MO-US032676.
PR 19-DEC-2001; 2001US-00028072.
XX (GENTH) GENENTECH INC.
XX Baker KP, Beresini M, DeGeorge L, Desnoyers L, Filvaroff E, Gao W;
XX Gerlsten ME, Goddard A, Godwaski PJ, Gunney A, Sherwood S,
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2004-020237/02.
DR N-PSDB; ADD87572.
XX
XX New secreted and transmembrane nucleic acids and polypeptides, designated
XX as PRO, useful for treating inflammation, organ failure, atherosclerosis,
XX cardiac injury, infertility, birth defects, premature aging, AIDS, or
XX cancer.
XX
XX Claim 12; Fig 24; 637pp; English.
XX
XX The invention relates to isolated human PRO polypeptides (secreted and
XX transmembrane polypeptides) and the polynucleotides encoding them. The
XX invention also relates to an antibody which specifically binds to a PRO
XX polypeptide, a method for stimulating the release of tumour necrosis
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the
XX proliferation or differentiation of chondrocyte cells and a method for
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
XX polynucleotides are useful in molecular biology, including uses as
XX hybridisation probes, in chromosome and gene mapping, in generating
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also
XX be used in preparing PRO polypeptides by recombinant techniques and in
XX generating either transgenic animals or knock-out animals which are
XX useful in the development and screening of therapeutically useful
XX reagents. The PRO polypeptides or antibodies are used in preparing a
XX medicament for treating a condition responsive to the polypeptides or
XX antibodies, such as tumours, for stimulating and inhibiting proliferation
XX of human microvascular endothelial cells, for modulating the uptake of
XX glucose or FFA by skeletal muscle cells or adipocyte cells, for
XX stimulating differentiation of adipocyte cells, for stimulating
XX the proliferation of or gene expression in pericyte cells, for stimulating
XX cells, for inducing endothelial cell tube formation and for treating
XX various bone and/or cartilage disorders such as sports injuries and
XX arthritis. PRO polypeptides which stimulate the release of proteoglycans
XX from cartilage are useful for treating sports-related joint problems, PRO
XX articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
XX polypeptides are also useful for treating various mammalian haemoglobin-
XX associated disorders such as various thalassemias and conditions which
XX may benefit from enhanced local immune system cell infiltration. This
XX sequence represents a human PRO polypeptide of the invention. Note: The
XX sequence data for this patent is also available in electronic format from
XX USPTO at seqdata.uspto.gov/sequence.html.
XX

SO Sequence 285 AA;
Query Match 100.0%; Score 1451; DB 8; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,3e-144;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSLTPRKESPVSVSSKDGKLLATLALLALSSCC 60
D5 1 MDSTEREQSLTSCCKREEMKKECVSLTPRKESPVSVSSKDGKLLATLALLALSSCC 60
QY 61 LTVVSPFYQVAALOGDLASLRAELQGHHAELKPAAGAPKXGLLEAPAVTGLKTFEPPAP 120
D5 61 LTVVSPFYQVAALOGDLASLRAELQGHHAELKPAAGAPKXGLLEAPAVTGLKTFEPPAP 120
QY 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQIADSETPTIQGXYTFVFWMLSPKSGSALAE 180
D5 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQIADSETPTIQGXYTFVFWMLSPKSGSALAE 180
QY 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQIADSETPTIQGXYTFVFWMLSPKSGSALAE 180
D5 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQIADSETPTIQGXYTFVFWMLSPKSGSALAE 180

QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNNPETL 240
 DB 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNNPETL 240
 QY 241 PNNSCYSAGIAXKEBDEQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIAXKEBDEQLAIPRENAQISLDGVTFFGALKL 285
 RESULT 186
 ADD85977
 ID ADD85977 standard; protein; 285 AA.
 XX
 AC ADD85977;
 XX
 DT 29-JAN-2004 (first entry)
 XX
 DE Human PRO polypeptide #12.
 XX
 KM Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.
 XX
 OS Homo sapiens.
 XX
 PN US2003203440-A1.
 XX
 PD 30-OCT-2003.
 XX
 PF 29-MAY-2002; 2002US-00157798.
 XX
 PR 05-JUN-2000; 2000US-0209832P.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerlitsen ME, Goddard A, Godowski PJ, Gurney AU, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2004-021363/02.
 DR N-PSDB; ADD85976.
 XX
 PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or
 PT PRO4978, useful in molecular biology, chromosome and gene mapping, in
 PT generating antisense RNA and DNA, and in gene therapy.
 XX
 PS Claim 12, Fig 24; 637pp; English.
 XX
 CC The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptide or

CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems. PRO
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC USPTO at seqdata.uspto.gov/sequence.html.
 CC
 XX
 SQ Sequence 285 AA;
 XX
 Query Match 100.0%; Score 1451; DB 8; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.3e-144;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MDSTERBQGRITFSCLEKREEMKLRKCVSILPKKESPSRSSMDGLAATLIALSGC 60
 DB 1 MDSTERBQGRITFSCLEKREEMKLRKCVSILPKKESPSRSSMDGLAATLIALSGC 60
 QY 61 LTVVSFYQVALQGDLASLRAELQGHAEKLPAGAPAPAGLEAPAVTAGLKIPEPPAP 120
 DB 61 LTVVSFYQVALQGDLASLRAELQGHAEKLPAGAPAPAGLEAPAVTAGLKIPEPPAP 120
 QY 121 GEGNSQNSNRKRAVOGPEETVTQDCLQLIADSETTITQXGYTFPFWLLSFRGSLAE 180
 DB 121 GEGNSQNSNRKRAVOGPEETVTQDCLQLIADSETTITQXGYTFPFWLLSFRGSLAE 180
 QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNNPETL 240
 DB 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNNPETL 240
 QY 241 PNNSCYSAGIAXKEBDEQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIAXKEBDEQLAIPRENAQISLDGVTFFGALKL 285
 RESULT 187
 ADE75425
 ID ADE75425 standard; protein; 285 AA.
 XX
 AC ADE75425;
 XX
 DT 29-JAN-2004 (first entry)
 XX
 DE Human PRO polypeptide #12.
 XX
 KM Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.
 XX
 OS Homo sapiens.
 XX
 PN US2003211571-A1.
 XX
 PD 13-NOV-2003.
 XX
 PF 20-MAY-2002; 2002US-00152405.

XX 03-MAR-2000; 2000US-0187202P.
 PR 01-DEC-2000; 2000MO-US032678.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GENTH) GENENTECH INC.
 PI Baker KP, Beresini M, DeForge L, Desnoyers J, Filvaroff E, Gao W,
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI: 2004-051576/05.
 DR N-PSDB; ADE41348.
 PT New secreted and transmembrane PRO polypeptide and nucleic acid encoding
 PT it, for use in gene therapy, as diagnostic markers for the presence of a
 PT disease condition, or as therapeutic targets for treating tumors,
 PT diabetes, or arthritis.
 XX
 PS Claim 12; Fig 24; 637pp; English.
 XX
 CC The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumors). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems,
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC USPTO at seqdata.uspto.gov/sequence.html.
 CC
 XX
 SQ Sequence 285 AA;
 Query Match 100.0%; Score 1451; DB 8; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.3e-144;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 181 KENKILVKEGYFFIYGVLTDTKTYAMGHIQKKNVFGDELSTVTLFRICQMPETL 240
 DB 181 KENKILVKEGYFFIYGVLTDTKTYAMGHIQKKNVFGDELSTVTLFRICQMPETL 240
 QY 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285
 RESULT 188
 ADE41348
 ID ADE41348 standard; protein; 285 AA.
 AC ADE41348;
 XX
 DT 29-JAN-2004 (first entry)
 XX
 DE Human secreted/transmembrane PRO polypeptide #49.
 XX
 KW human; secreted protein; transmembrane protein; cardiovascular disorder;
 KW endothelial disorder; angiogenic disorder; myocardial infarction;
 KW cardiac hypertrophy; trauma; cancer; age-related macular degeneration;
 KW angiogenesis; endothelial cell apoptosis; smooth muscle cell growth;
 KW endothelial cell tube formation.
 XX
 OS Homo sapiens.
 XX
 PN US2003100497-A1.
 XX
 PD 29-MAY-2003.
 XX
 PF 16-AUG-2002; 2002US-00233085.
 XX
 PR 20-JUN-2001; 2001WO-US019692.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 20-FEB-2002; 2002US-00081056.
 XX
 PA (GENTH) GENENTECH INC.
 PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A,
 PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Stephan JF,
 PI Watanabe CK, Williams PM, Wood WI, Ye W;
 XX
 DR WPI: 2004-008957/01.
 DR N-PSDB; ADE41347.
 XX
 PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO205 or
 PT PRO214, useful in molecular biology, chromosome and gene mapping, in
 PT generating antisense RNA and DNA, and for treating disorders involving
 PT angiogenesis.
 XX
 PS Claim 11; SEQ ID NO 98; 497pp; English.
 XX
 CC The invention relates to an isolated nucleic acid encoding a secreted and
 CC transmembrane polypeptide (PRO). The nucleic acid, a polypeptide encoded
 CC by the nucleic acid, or an agonist or antagonist, is used to treat a
 CC cardiovascular, endothelial, or angiogenic disorder in a mammal,
 CC preferably a human. The human may have suffered a myocardial infarction
 CC or has cardiac hypertrophy, trauma, a cancer, or age-related macular
 CC degeneration. The cardiac hypertrophy is characterised by the presence
 CC of an elevated level of Pgf-2 alpha. A PRO polypeptide, given in the
 CC specification, or an agonist is used to inhibit or stimulate endothelial
 CC cell growth in a mammal. PRO21 or an agonist is used to induce cardiac
 CC hypertrophy. PRO1376 or PRO1449 is used to stimulate angiogenesis.
 CC PRO4302 or an agonist is used to induce endothelial cell apoptosis. A PRO
 CC polypeptide, given in the specification, or an agonist is used to
 CC stimulate or inhibit smooth muscle cell growth, or to induce endothelial
 CC cell tube formation. The present sequence represents the amino acid
 CC sequence of a PRO polypeptide of the invention.
 XX
 SQ Sequence 285 AA;
 Query Match 100.0%; Score 1451; DB 8; Length 285;

Best Local Similarity 100.0%; Pred. No. 1.3e-144; Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTFERGSRITSCIKKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
 DB 1 MDSTFERGSRITSCIKKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
 QY 61 LTVSFYQVAALQGDILASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
 DB 61 LTVSFYQVAALQGDILASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGPETVTQDCLQIADSEPTIQKGYTFVPMILSPKGSALAE 180
 DB 121 GEGNSQNSRNRKRAVQGPETVTQDCLQIADSEPTIQKGYTFVPMILSPKGSALAE 180
 QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNPETL 240
 DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNPETL 240
 QY 241 PNNSCYSAGIATKEGDELQALIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIATKEGDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 189
 ADE23001 ID ADE23001 standard; protein; 285 AA.

AC ADE23001;
 DT 29-JAN-2004 (first entry)

DE Human PRO polypeptide #12.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.

OS Homo sapiens.

PN US2003092108-A1.

PD 15-MAY-2003.

PF 24-APR-2002; 2002US-00131835.

PR 01-DEC-2000; 2000MO-US032678.

PR 19-DEC-2001; 2001US-00028072.

PA (GETH) GENENTECH INC.

PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerlitsen ME, Goddard A, Godowski PI, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WT, Zhang Z;

DR WPI; 2004-020234/02.
 DR N-PSDB; ADE23000.

PT New secreted and transmembrane nucleic acids and polypeptides, designated
 PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
 PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
 PT cancer.

PS Claim 12; Fig 24; 637BP; English.

CC The invention relates to isolated human PRO polypeptides (secreted and

CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems. PRO
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various immune system cell infiltration. This
 CC may benefit from enhanced local immune system cell infiltration. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC the USPTO website at seqdata.uspto.gov.

SO Sequence 285 AA.

Query Match
 Best Local Similarity 100.0%; Score 1451; DB 8; Length 285;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTFERGSRITSCIKKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
 DB 1 MDSTFERGSRITSCIKKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
 QY 61 LTVSFYQVAALQGDILASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
 DB 61 LTVSFYQVAALQGDILASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGPETVTQDCLQIADSEPTIQKGYTFVPMILSPKGSALAE 180
 DB 121 GEGNSQNSRNRKRAVQGPETVTQDCLQIADSEPTIQKGYTFVPMILSPKGSALAE 180
 QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNPETL 240
 DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNPETL 240
 QY 241 PNNSCYSAGIATKEGDELQALIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIATKEGDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 190

ADE23553 ID ADE23553 standard; protein; 285 AA.

AC ADE23553;

DT 29-JAN-2004 (first entry)

DE Human PRO polypeptide #12.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;

KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.
 OS Homo sapiens.
 PN US2003092110-A1.
 PD 15-MAY-2003.
 XX 03-MAY-2002; 2002US-00137864.
 PF 03-MAR-2000; 2000US-0187202P.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 19-DEC-2001; 2001US-00028072.
 XX (GENTH) GENENTECH INC.
 PA Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerlitsen ME, Goddard A, Godowski PJ, Guiney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 DR WPI; 2004-020235/02.
 DR N-PSDB; ADE23552.
 PT New secreted and transmembrane nucleic acids and polypeptides, designated
 PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
 PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
 PT cancer.
 XX
 XX
 PS Claim 12; Fig 24; 637pp; English.
 XX
 CC The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems.
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC the USPTO website at seqdata.uspto.gov.
 CC
 XX
 SQ Sequence 285 AA;

Query Match 100.0%; Score 1451; DB 8; Length 285;

Best Local Similarity 100.0%; Pred. No. 1,3e-144;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MDDSPREOSLTSLCKREEMKKECVSLIPKRESPVRSKQGLLAATLLALSSCC 60
 DB 1 MDDSTREOSRLTSLCKREEMKKECVSLIPKRESPVRSKQGLLAATLLALSSCC 60
 QY 61 LTVVSFYVVALQGLDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYVVALQGLDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGEFETVTDCLINDSETPTIQRKSYTFVPLLSFKGSALEE 180
 DB 121 GEGNSQNSRNRKRAVQGEFETVTDCLINDSETPTIQRKSYTFVPLLSFKGSALEE 180
 QY 181 KENKILVKEFGYFFIYGQVLYTDKTYAMGHLIQKKYVFGDELSLVTLPFRQIONMPELT 240
 DB 181 KENKILVKEFGYFFIYGQVLYTDKTYAMGHLIQKKYVFGDELSLVTLPFRQIONMPELT 240
 QY 241 PNNSCYSAGIAKLEBGEDELQLAIPENNAQISLDGDVTFPGALKLL 285
 DB 241 PNNSCYSAGIAKLEBGEDELQLAIPENNAQISLDGDVTFPGALKLL 285
 RESULT 191
 ADE24196
 ID ADE24196 standard; protein; 285 AA.
 AC ADE24196;
 XX
 DT 29-JAN-2004 (first entry)
 XX
 DE Human PRO polypeptide #12.
 XX
 XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.
 XX
 OS Homo sapiens.
 XX
 PN US2003092111-A1.
 PD 15-MAY-2003.
 XX 03-MAY-2002; 2002US-00137869.
 PF 03-MAR-2000; 2000US-0187202P.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 19-DEC-2001; 2001US-00028072.
 XX (GENTH) GENENTECH INC.
 PA Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerlitsen ME, Goddard A, Godowski PJ, Guiney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 DR WPI; 2004-020236/02.
 DR N-PSDB; ADE24195.
 PT New secreted and transmembrane nucleic acid useful for treating
 PT inflammation, organ failure, atherosclerosis, cardiac injury,
 PT infertility, birth defects, premature aging, acquired immunodeficiency
 PT syndrome, or cancer.
 XX
 XX
 PS Claim 12; Fig 24; 637pp; English.

CC The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems,
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC the USPTO website at seqdata.uspto.gov.

CC Sequence 285' Aa:

Query Match 100.0%; Score 1451; DB 8; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.3e-144;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSCIKRREMKTKECVSLPRKSPSPSRSSKDDKLAATLLALSCC 60
 Db 1 MDSTREOSRLTSCIKRREMKTKECVSLPRKSPSPSRSSKDDKLAATLLALSCC 60
 QY 61 LTVVSYFYAALQGDILASIRAEIOGHNAEKLDPAGAPAYAEAPAVTAGIKTEPPAP 120
 Db 61 LTVVSYFYAALQGDILASIRAEIOGHNAEKLDPAGAPAYAEAPAVTAGIKTEPPAP 120
 QY 121 GEENSSQNRNRAVGPPEETVODCLQIADSEPTTQKGYTVPMILSKRSALFE 180
 Db 121 GEENSSQNRNRAVGPPEETVODCLQIADSEPTTQKGYTVPMILSKRSALFE 180
 QY 181 KEKKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGBELSLVTLFRCIQMPETL 240
 Db 181 KEKKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGBELSLVTLFRCIQMPETL 240
 QY 241 PNNSCYSAGIAKLEBDEIQLAIPRENAQISLDGVTFFGAILKL 285
 Db 241 PNNSCYSAGIAKLEBDEIQLAIPRENAQISLDGVTFFGAILKL 285

RESULT 192

ID ADD87021 standard, protein, 285 Aa.
 XX ADD87021;
 AC ADD87021;
 XX 29-JAN-2004 (first entry)
 DT 29-JAN-2004 (first entry)
 XX Human PRO polypeptide #12.
 DE Human PRO polypeptide #12.
 XX Human PRO polypeptide #12.
 KM Human PRO polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;

KM cancer; adrenal, lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.
 XX Homo sapiens.
 OS US2003203439-A1.
 FN 30-OCT-2003.
 PD 17-MAY-2002; 2002US-00147499.
 PF 04-AUG-1998; 98US-0095301P.
 PR 02-JUN-1999; 99WO-US012252.
 PR 30-MAR-2000; 2000US-00380137.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 19-DEC-2001; 2001US-00028072.
 PA (GENTH) GENENTECH INC.
 XX Baker KP, Beresini M, DeForge L, Denoyere L, Filvaroff E, Gao W;
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX WPI; 2004-021362/02.
 DR N-PSDB; ADD87020.
 XX New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO114 or
 PT PRO4978, useful in molecular biology, chromosome and gene mapping, in
 PT generating antisense RNA and DNA, and in gene therapy.
 PS Claim 12; Fig 24; 648pp; English.
 XX The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems,
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC USPTO at seqdata.uspto.gov/sequence.html.

SO Sequence 285 AA;
Query Match 100.0%; Score 1451; DB 8; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,3e-144;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTEREGRLTSCLEKREEMKLEKESILPRKESPVSSKDGKLAATLLALSSCC 60
1 MDSTEREGRLTSCLEKREEMKLEKESILPRKESPVSSKDGKLAATLLALSSCC 60
DB 1 LTVSFYQVAAALOGDIASLPAELQGHAEKLPAGAPAGAEADAVTAGLKIPEPPAP 120
61 LTVSFYQVAAALOGDIASLPAELQGHAEKLPAGAPAGAEADAVTAGLKIPEPPAP 120
QY 121 GEENSSONSBNKAVGPEETVQDCLQIADSEPTLQKGSYTFPMILSPKGSALBE 180
121 GEENSSONSBNKAVGPEETVQDCLQIADSEPTLQKGSYTFPMILSPKGSALBE 180
DB 121 KENKILVETGYEPIYQGVLYTDKTYAMGHLQKRVHVGDELSLVTLPKCIQNNPETL 240
181 KENKILVETGYEPIYQGVLYTDKTYAMGHLQKRVHVGDELSLVTLPKCIQNNPETL 240
QY 181 KENKILVETGYEPIYQGVLYTDKTYAMGHLQKRVHVGDELSLVTLPKCIQNNPETL 240
181 KENKILVETGYEPIYQGVLYTDKTYAMGHLQKRVHVGDELSLVTLPKCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEEGDELOALPRENAQISLDGVTTFGALKTL 285
241 PNNSCYSAGIAKLEEGDELOALPRENAQISLDGVTTFGALKTL 285
DB 241 PNNSCYSAGIAKLEEGDELOALPRENAQISLDGVTTFGALKTL 285
RESULT 193
ADE88887
ID ADE88887 standard; protein: 285 AA.
AC ADE88887;
XX 29-JAN-2004 (first entry)
DT Human PRO polypeptide #12.
DE
XX
XX
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
XX tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
XX cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
XX liver; microvascular endothelial cell; glucose; FFA;
XX skeletal muscle cell; adipocyte cell; pericyte cell;
XX inner ear utricle supporting cell; T-lymphocyte cell;
XX endothelial cell tube formation; bone disorder; cartilage disorder;
XX sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
XX rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
XX immune system cell infiltration.
XX
OS Homo sapiens.
XX
XX US2003199062-A1.
PN 23-OCT-2003.
PD
XX
PD 17-APR-2002; 2002US-00124823.
PF
XX 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 14-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 2000WO-US006319.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010753.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028651.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 11-FEB-2000; 2000WO-US000376.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 01-MAR-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007317.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US022031.
PR 11-AUG-2000; 2000WO-US023352.
PR 23-AUG-2000; 2000WO-US023352.
PR 24-AUG-2000; 2000WO-US023358.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US047259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006656.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00860304.
PR 01-JUN-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 05-JUN-2001; 2001WO-US017800.
PR 14-JUN-2001; 2001US-00874503.
PR 19-JUN-2001; 2001US-00882536.
PR 20-JUN-2001; 2001US-00886392.
PR 20-JUN-2001; 2001WO-US019692.

PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001MO-US020116.
 PR 29-JUN-2001; 2001MO-US021066.
 PR 09-JUL-2001; 2001MO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX (GETH) GENENTECH INC.
 PA Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
 PI Geritsen ME, Goddard A, Godowski PJ, Gunney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX N-PSDB; ADE888886.
 DR WPI; 2004-041360/04.
 XX Novel isolated PRO polypeptide useful for treating diabetes, hyper- or
 PT hypo-insulinemia, sports injuries, arthritis, obesity, stroke, heart
 PT attack, various coagulation disorders, tumors.
 XX
 XX Claim 12; SEQ ID NO 24; 638bp; English.
 XX The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumor necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems. PRO
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassaemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC USPTO at seqdata.uspto.gov/sequence.html.
 XX
 XX Sequence 285 AA;
 Query Match 100.0%; Score 1451; DB 8; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.3e-14;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 121 GEGNSNSNRKRAVGPPEETVTDCLQIADSEPTIIGKSGYFVPMILSPKSGALAE 180
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 DB 181 KENKILVETGYFTTIGQVLYTDKTYAMGHLIQRKVVHFGDELIVTLPRCIQNPETL 240
 QY 241 PNNSCYSAGIAKLEEGDELQAIPEMAQISLDGDTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEEGDELQAIPEMAQISLDGDTFFGALKL 285
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 ADE18026
 ID ADE18026 standard; protein; 285 AA.
 XX
 AC ADE18026;
 XX
 DT 29-JAN-2004 (first entry)
 XX
 DE Human PRO polypeptide #12.
 XX
 KM Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
 KM immune system cell infiltration.
 OS Homo sapiens.
 XX
 PN US2003194794-A1.
 PD 16-OCT-2003.
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 PP 17-APR-2002; 2002US-00125805.
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 PR 01-DEC-1998; 98MO-US025108.
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 PR 08-MAR-1999; 99MO-US005028.
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 PR 29-NOV-1999; 99MO-US028214.
 PR 30-NOV-1999; 99MO-US028313.
 PR 30-NOV-1999; 99MO-US028409.

PR 01-DEC-1999; 99WO-US028301.
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PR 02-DEC-1999; 99WO-US028551.
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PR 05-JAN-2000; 2000WO-US000219.
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PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
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PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
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PR 28-FEB-2001; 2001US-00796498.
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PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
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PR 01-JUN-2001; 2001WO-US017092.
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PR 01-JUN-2001; 2001WO-US017803.
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PR 14-JUN-2001; 2001US-00882536.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
XX
PA (GBTH) GENENTECH INC.
XX Baker KP, Beresini M, Deforge L, Deenoyers L, Filvaroff E, Gao W,
PI Gerlitsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI: 2004-0201079/02.
DR N-PSDB; ADEI8025.
XX
PR New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO114 or
PR PRO4978, for use in molecular biology, chromosome and gene mapping, in
PR generating antisense RNA and DNA, and in gene therapy.
XX
PS Claim 12; SEQ ID NO 24; 638bp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung, the
CC colon, breast, prostate, rectal, kidney, cervical, and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ Sequence 285 AA;
Query Match 100.0%; Score 1451; DB 8; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,3e-144;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 61 LTVVSFYVVALQGLDLSIRAELOGHNAEKIPAGAGAPKAGLEBAPAVTAGIKTIEPPAP 120
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QY 241 PNNSCYSAGIAKLEBDELQALPRENAQISLDGVTFFGALKLL 285
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ADE88335
 ID ADE88335 standard; protein; 285 AA.
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 AC ADE88335;
 XX
 DT 29-JAN-2004 (first entry)
 XX
 DE Human PRO polypeptide #12.
 XX
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KW liver; microvascular endothelial cell; glucose; FFA;
 KW skeletal muscle cell; adipocyte cell; pericyte cell;
 KW inner ear utricular supporting cell; T-lymphocyte cell;
 KW endothelial cell tube formation; bone disorder; cartilage disorder;
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KW immune system cell infiltration.
 XX
 OS Homo sapiens.
 XX
 PN US2003199054-A1.
 XX
 PD 23-OCT-2003.
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 PF 12-APR-2002; 2002US-00121054.
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 PR 31-MAR-1997; 97WO-US005230.
 PR 12-JUN-1998; 98WO-US012456.
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 PR 28-AUG-1998; 98WO-US017888.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019093.
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 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019437.
 PR 07-OCT-1998; 98WO-US021144.
 PR 29-OCT-1998; 98WO-US022992.
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 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
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 PR 25-MAY-2001; 2001WO-US017092.
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 PR 01-JUN-2001; 2001WO-US017800.
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 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GENTH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerlitsen ME, Goddard A, Godowski FJ, Guirney AU, Sherwood S,
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 DR WPI; 2004-041356/04.
 XX N-PSDB; ADE88334.
 XX
 PT Novel secreted and transmembrane polypeptides, PRO useful for treating
 PT bone disorders, arthritis, heart attack, injuries, tumors, and
 PT stimulating release of TNF-alpha from human blood.
 XX
 XX Claim 12; SEQ ID NO 24; 638bp; English.
 CC The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO

polypeptide, a method for stimulating the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. adrenal, lung, colon, breast, prostate, rectal, kidney, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medication for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells or T-lymphocyte cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems. PRO articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassaemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at seqdata.uspto.gov/sequence.html.

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SQ Sequence 285 AA:

Query Match 100.0%; Score 1451; DB 8; Length 285;

Best Local Similarity 100.0%; Pred. No. 1.3e-144; Mismatches 0; Gaps 0;

Matches 285; Conservative 0; Indels 0;

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GenCore version 5.1.6
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OM protein - protein search, using sw model

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Title: US-09-911-777B-1

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	1451	100.0	285	9	US-09-193-663-2
3	1451	100.0	285	9	US-09-877-156-1
4	1451	100.0	285	9	US-09-879-919-23
5	1451	100.0	285	9	US-09-929-493-2
6	1451	100.0	285	9	US-09-779-050A-2
7	1451	100.0	285	10	US-09-302-863-4
8	1451	100.0	285	10	US-09-880-748-3228
9	1451	100.0	285	10	US-09-933-613-173
10	1451	100.0	285	10	US-09-855-564-4
11	1451	100.0	285	10	US-09-932-322-173
12	1451	100.0	285	12	US-10-147-493-24
13	1451	100.0	285	12	US-10-145-117-24
14	1451	100.0	285	12	US-10-160-503-24
15	1451	100.0	285	12	US-10-143-118-24

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ALIGNMENTS

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RESULT 1
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; Publication No. US20010010925A1
; GENERAL INFORMATION:
; APPLICANT: Wiley, Steven R.
; TITLE OF INVENTION: TNF-DELTA LIGAND AND USES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESSES:
; ADDRESS: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: IBM Compatible
; SOFTWARE: FASTSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/971,317A
; FILING DATE: 17-NOV-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Goller, Mimi C
; REGISTRATION NUMBER: 39,046
; REFERENCE/DOCKET NUMBER: 6255.US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (847) 935-7550
; TELEFAX: (847) 938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 285 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. US20010010925A1e
; US-08-971-317A-2

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Best Local Similarity 100.0%; Pred. No. 32e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

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RESULT 2

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US-09-193-663-2
; Sequence 2, Application US/09193663
; Patent No. US20020055624A1
; GENERAL INFORMATION:
; APPLICANT: Waley, Steven R.
; TITLE OF INVENTION: TNF-DELTA LIGAND AND USES THEREOF
; FILE REFERENCE: 6255.US.02
; CURRENT APPLICATION NUMBER: US/09/193,663
; EARLIER FILING DATE: 1998-11-17
; EARLIER APPLICATION NUMBER: 60/065,916
; EARLIER FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
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US-09-193-663-2

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RESULT 3

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US-09-877-156-1
; Sequence 1, Application US/09877156
; Patent No. US20020055625A1
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley

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; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/877,156
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/286,529
; PRIOR FILING DATE: 1998-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 285
; TYPE: PRT
; ORGANISM: human
US-09-877-156-1

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Best Local Similarity 100.0%; Pred. No.3.2e-139;
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RESULT 4

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US-09-879-919-23
; Sequence 23, Application US/09879919
; Patent No. US20020064829A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang, et al.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
; FILE REFERENCE: P253P1
; CURRENT APPLICATION NUMBER: US/09/879,919
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,978
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/254,875
; PRIOR FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/241,952
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/211,537
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 08/815,783
; PRIOR FILING DATE: 1997-03-12
; PRIOR APPLICATION NUMBER: 60/016,812
; PRIOR FILING DATE: 1996-03-14
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-879-919-23

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Query Match      100.0%; Score 1451; DB 9; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 LTVASFYVVALOGDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQKGSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQKGSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 5
US-09-929-493-2
; Sequence 2, Application US/09929493
; Patent No. US2002011512A1
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Neutrokin-alpha and Neutrokin-alpha Splice Variant
; FILE REFERENCE: P2343P4
; CURRENT APPLICATION NUMBER: US/09/929,493
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/222,628
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/227,008
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/234,338
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/240,806
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/250,020
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/296,122
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/304,809
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-929-493-2

Query Match      100.0%; Score 1451; DB 9; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGSRLLTSCLEKREEMKKECVSILPRKESPVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREGSRLLTSCLEKREEMKKECVSILPRKESPVRSKDGKLLAATLLALLSCC 60
QY 61 LTVASFYVVALOGDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVASFYVVALOGDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQKGSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQKGSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285

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QY 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQKGSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQKGSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 6
US-09-779-050A-2
; Sequence 2, Application US/09779050A
; Patent No. US20020160416A1
; GENERAL INFORMATION:
; APPLICANT: HSU, HAILING
; APPLICANT: BOYLE, WILLIAM
; TITLE OF INVENTION: RECEPTOR FROM TNF FAMILY
; FILE REFERENCE: A-570B
; CURRENT APPLICATION NUMBER: US/09/779,050A
; PRIOR FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/181,800
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-779-050A-2

Query Match      100.0%; Score 1451; DB 9; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGSRLLTSCLEKREEMKKECVSILPRKESPVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREGSRLLTSCLEKREEMKKECVSILPRKESPVRSKDGKLLAATLLALLSCC 60
QY 61 LTVASFYVVALOGDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVASFYVVALOGDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQKGSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQKGSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 7
US-09-302-863-4
; Sequence 4, Application US/09302863
; Publication No. US20030022233A1
; GENERAL INFORMATION:
; APPLICANT: Goodwin, Raymond G
; APPLICANT: Din, Manwan S.
; TITLE OF INVENTION: METHODS OF USE OF THE TACI/TACI-L INTERACTION
; FILE REFERENCE: 2519
; CURRENT APPLICATION NUMBER: US/09/302,863
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4

```


LENGTH: 285
TYPE: PRT
ORGANISM: Human
US-09-302-863-4

Query Match
Best Local Similarity 100.0%; Score 1451; DB 10; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAAALQDGLASLRBELQGHHAELKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRBELQGHHAELKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSETPTIQSGYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSETPTIQSGYTFVPMILSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 8
US-09-880-748-3228
Sequence 3228, Application US/09880748
Publication No. US2003005937A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunoselectively Bind Bly5
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 3228
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-3228

Query Match
Best Local Similarity 100.0%; Score 1451; DB 10; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAAALQDGLASLRBELQGHHAELKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRBELQGHHAELKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSETPTIQSGYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSETPTIQSGYTFVPMILSFKGSALAE 180
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 9
US-09-932-613-173
Sequence 173, Application US/09932613
Publication No. US20030091565A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
APPLICANT: Belzter, James P.
APPLICANT: Potter, M. Daniel
APPLICANT: Fleming, Tony J.
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
FILE REFERENCE: DXX-025.1 PCT; DXX-025.1 US
CURRENT APPLICATION NUMBER: US/09/932,613
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: Patentin version 3.1
SEQ ID NO 173
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-932-613-173

Query Match
Best Local Similarity 100.0%; Score 1451; DB 10; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAAALQDGLASLRBELQGHHAELKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRBELQGHHAELKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSETPTIQSGYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSETPTIQSGYTFVPMILSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 10
US-09-855-564-4
Sequence 4, Application US/0985564
Publication No. US20030165986A1
GENERAL INFORMATION:
APPLICANT: Goodwin, Raymond G
APPLICANT: din, Raymond S.
TITLE OF INVENTION: METHODS OF USE OF THE TACTI-TACTI INTERACTION
FILE REFERENCE: 2519
CURRENT APPLICATION NUMBER: US/09/855,564
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: 09/302,863
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4

LENGTH: 285
TYPE: PRT
ORGANISM: Human
US-09-855-564-4

Query Match 100.0%; Score 1451; DB 10; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALQGDLSRAELQGHNAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSRAELQGHNAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQKSYTFVPMWLSFRGSALEE 180
DB 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQKSYTFVPMWLSFRGSALEE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 11

US-09-932-322-173
Sequence 173, Application US/09932322
Publication No. US20030194743A1

GENERAL INFORMATION:
APPLICANT: Dyax Corp.
APPLICANT: Belitzer, James P.
APPLICANT: Potter, M. Daniel
APPLICANT: Fleming, Tony J.
APPLICANT: Lader, Robert Charles
TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLYS)
FILE REFERENCE: DEX-018.1 PCT: DEX-018.1 US
CURRENT APPLICATION NUMBER: US/09/932,322
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: Patentin version 3.1
SEQ ID NO 173
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-932-322-173

Query Match 100.0%; Score 1451; DB 10; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALQGDLSRAELQGHNAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSRAELQGHNAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQKSYTFVPMWLSFRGSALEE 180
DB 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQKSYTFVPMWLSFRGSALEE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 12

US-10-147-493-24
Sequence 24, Application US/10147493
Publication No. US20040029217A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zhen
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C345
CURRENT APPLICATION NUMBER: US/10/147,493
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapiens
US-10-147-493-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALQGDLSRAELQGHNAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSRAELQGHNAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQKSYTFVPMWLSFRGSALEE 180
DB 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQKSYTFVPMWLSFRGSALEE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 13

US-10-145-127-24
Sequence 24, Application US/10145127
Publication No. US2004003558A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc

```

; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C252
; CURRENT APPLICATION NUMBER: US/10/145,127
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-145-127-24

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLRTSCLEKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSSCC 60
DB 1 MDDSTEREQSLRTSCLEKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSSCC 60
QY 61 LTVVSFYQVAAALQGDLSLPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTIFFPPAP 120
DB 61 LTVVSFYQVAAALQGDLSLPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTIFFPPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSEPTTIQGSYTFVFWMLSPFKGSALBE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSEPTTIQGSYTFVFWMLSPFKGSALBE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTLFRCIQNNPEPTL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTLFRCIQNNPEPTL 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL 285

RESULT 14
US-10-160-503-24
; Sequence 24, Application US/10160503
; Publication No. US2004003559A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C446
; CURRENT APPLICATION NUMBER: US/10/160,503
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-160-503-24

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLRTSCLEKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSSCC 60
DB 1 MDDSTEREQSLRTSCLEKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSSCC 60
QY 61 LTVVSFYQVAAALQGDLSLPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTIFFPPAP 120
DB 61 LTVVSFYQVAAALQGDLSLPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTIFFPPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSEPTTIQGSYTFVFWMLSPFKGSALBE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSEPTTIQGSYTFVFWMLSPFKGSALBE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTLFRCIQNNPEPTL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTLFRCIQNNPEPTL 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL 285

RESULT 15
US-10-143-118-24
; Sequence 24, Application US/10143118
; Publication No. US2004003835A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C228
; CURRENT APPLICATION NUMBER: US/10/143,118
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-143-118-24

Query Match      100.0%; Score 1451; DB 12; Length 285;

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Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSCCKREEMKKECVSILPRKSPSVRSXDGKLLAATLILALSSC 60
DB 1 MDSTREOSRLTSCCKREEMKKECVSILPRKSPSVRSXDGKLLAATLILALSSC 60

QY 61 LTVVSFYQVAALQGDILASIRAELOGHNAEKLPAAGAPKAGLEBAPVATGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASIRAELOGHNAEKLPAAGAPKAGLEBAPVATGLKIFEPAP 120

QY 121 GEGNSQNRKRAVQGPETVTDCLQIADSEPTIQSGSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSQNRKRAVQGPETVTDCLQIADSEPTIQSGSYTFVFWLLSFKRGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCLQNMPEYL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCLQNMPEYL 240

QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLL 285

RESULT 16
US-10-144-993-24
; Sequence 24, Application US/10144993
; Publication No. US2004003836A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvarolt, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C261
; CURRENT APPLICATION NUMBER: US/10/144,993
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-144-993-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 121 GEGNSQNRKRAVQGPETVTDCLQIADSEPTIQSGSYTFVFWLLSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCLQNMPEYL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCLQNMPEYL 240

QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLL 285

RESULT 17
US-10-158-787-24
; Sequence 24, Application US/10158787
; Publication No. US2004003916A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvarolt, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C49
; CURRENT APPLICATION NUMBER: US/10/158,787
; CURRENT FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-158-787-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Wed Aug 25 15:26:11 2004

us-09-911-777b-1.rapb

Page 11

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QY 61 LTVSFGVVALOGDLASLRALOGHHAERKLPAGAGAPKAGLEBAPAVTGLKIFEPBPAP 120
DB 61 LTVSFGVVALOGDLASLRALOGHHAERKLPAGAGAPKAGLEBAPAVTGLKIFEPBPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCCQLIADSETPTIQGSYTFVFWMLISFRGSALBE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTDCCQLIADSETPTIQGSYTFVFWMLISFRGSALBE 180
QY 181 KENKILVETGTFYFGVLTDTKYAMGHLQKRYHVGDELSVTLPRCIQNMPELT 240
DB 181 KENKILVETGTFYFGVLTDTKYAMGHLQKRYHVGDELSVTLPRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTVFPGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTVFPGALKL 285

RESULT 18
US-10-202-062-30
; Sequence 30, Application US/10202062
; Publication No. US20040038349A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Heteromultimeric TNF Ligand Family members
; FILE REFERENCE: P559
; CURRENT APPLICATION NUMBER: US/10/202,062
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,838
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 30
; LENGTH: 285
; TYPE: PRT
; ORGANISM: human
US-10-202-062-30

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDDSTERBOSRLTSCCKRREEMKLECVSILPRSESSVNSKDGKLAATLLALISCC 60
QY 61 LTVSFGVVALOGDLASLRALOGHHAERKLPAGAGAPKAGLEBAPAVTGLKIFEPBPAP 120
DB 61 LTVSFGVVALOGDLASLRALOGHHAERKLPAGAGAPKAGLEBAPAVTGLKIFEPBPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCCQLIADSETPTIQGSYTFVFWMLISFRGSALBE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTDCCQLIADSETPTIQGSYTFVFWMLISFRGSALBE 180
QY 181 KENKILVETGTFYFGVLTDTKYAMGHLQKRYHVGDELSVTLPRCIQNMPELT 240
DB 181 KENKILVETGTFYFGVLTDTKYAMGHLQKRYHVGDELSVTLPRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTVFPGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTVFPGALKL 285

RESULT 19
US-10-081-056-98
; Sequence 98, Application US/10081056
; Publication No. US20040043927A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Gerbers, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Audrey
```

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/ PRIOR FILING DATE: 2001-05-10
/ PRIOR APPLICATION NUMBER: US 09/854,280
/ PRIOR FILING DATE: 2001-05-10
/ PRIOR APPLICATION NUMBER: US 09/866,028
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 09/866,034
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: PCT/US01/17092
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 09/870,574
/ PRIOR FILING DATE: 2001-05-30
/ PRIOR APPLICATION NUMBER: PCT/US01/17443
/ PRIOR FILING DATE: 2001-05-30
/ PRIOR APPLICATION NUMBER: PCT/US01/17800
/ PRIOR FILING DATE: 2001-06-01
/ PRIOR APPLICATION NUMBER: PCT/US01/19692
/ PRIOR FILING DATE: 2001-06-20
/ PRIOR APPLICATION NUMBER: PCT/US01/00000
/ PRIOR FILING DATE: 2001-06-28
/ NUMBER OF SEQ ID NOS: 383
/ SEQ ID NO 98
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-081-056-98

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDSTREOSRLTSCCKREEMKKECVSILPRKSPSVSSXOGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSQSNRKRRAVQGEETVTDCLQIADSEPTIQGSYTFVFWMLSFKGSALAE 180
DB 121 GEGNSQSNRKRRAVQGEETVTDCLQIADSEPTIQGSYTFVFWMLSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKHVGDELSVTLFRCIQNMPE 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKHVGDELSVTLFRCIQNMPE 240
QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 20
/ Sequence 24, Application US/10140024
/ Publication No. US20040058424A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desrogers, Laura
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
```

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/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C69
/ CURRENT APPLICATION NUMBER: US/10/140,024
/ CURRENT FILING DATE: 2002-05-06
/ PRIOR APPLICATION removed - See Palm or File Wrapper
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/ US-10-140-024-24

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSCCKREEMKKECVSILPRKSPSVSSXOGKLAATLLALLSCC 60
DB 1 MDSTREOSRLTSCCKREEMKKECVSILPRKSPSVSSXOGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSQSNRKRRAVQGEETVTDCLQIADSEPTIQGSYTFVFWMLSFKGSALAE 180
DB 121 GEGNSQSNRKRRAVQGEETVTDCLQIADSEPTIQGSYTFVFWMLSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKHVGDELSVTLFRCIQNMPE 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKHVGDELSVTLFRCIQNMPE 240
QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 21
/ Sequence 24, Application US/10140808
/ Publication No. US20030017563A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desrogers, Laura
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C182
/ CURRENT APPLICATION NUMBER: US/10/140,808
/ PRIOR APPLICATION removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/ US-10-140-808-24
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Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVSSSDGKLAAATLTLALISCC 60
DB 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVSSSDGKLAAATLTLALISCC 60

QY 61 LTVVSFYQVAAALQGDILASLPAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDILASLPAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIFEPAP 120

QY 121 GEGNSSQNSRNKRAVQGPETVTQDCLQILAISEPTTIQKSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTQDCLQILAISEPTTIQKSYTFVPMILSFKGSALAE 180

QY 181 KENKILVETGYFFITGVVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFITGVVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 22
US-10-152-405-24
Sequence 24, Application US/10152405
Publication No. US20030211571A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330301C383
CURRENT APPLICATION NUMBER: US/10/152,405
CURRENT FILING DATE: 2002-05-20
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-152-405-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVSSSDGKLAAATLTLALISCC 60
DB 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVSSSDGKLAAATLTLALISCC 60

QY 61 LTVVSFYQVAAALQGDILASLPAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDILASLPAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIFEPAP 120

QY 121 GEGNSSQNSRNKRAVQGPETVTQDCLQILAISEPTTIQKSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTQDCLQILAISEPTTIQKSYTFVPMILSFKGSALAE 180

QY 181 KENKILVETGYFFITGVVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFITGVVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVSSSDGKLAAATLTLALISCC 60
DB 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVSSSDGKLAAATLTLALISCC 60

QY 61 LTVVSFYQVAAALQGDILASLPAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDILASLPAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIFEPAP 120

QY 121 GEGNSSQNSRNKRAVQGPETVTQDCLQILAISEPTTIQKSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTQDCLQILAISEPTTIQKSYTFVPMILSFKGSALAE 180

QY 181 KENKILVETGYFFITGVVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFITGVVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 23
US-10-127-852A-24
Sequence 24, Application US/10127852A
Publication No. US20030203428A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330301C38
CURRENT APPLICATION NUMBER: US/10/127,852A
CURRENT FILING DATE: 2002-10-15
Prior Application Number: 60/049911
Prior Filing Date: 1997-06-18
Prior Application Number: 60/056974
Prior Filing Date: 1997-08-26
Prior Application Number: 60/059113
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059115
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059117
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059122
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059184
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059263
Prior Filing Date: 1997-09-18
Prior Application Number: 60/059352
Prior Filing Date: 1997-09-19
Prior Application Number: 60/059588
Prior Filing Date: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-852A-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVSSSDGKLAAATLTLALISCC 60
DB 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVSSSDGKLAAATLTLALISCC 60

QY 61 LTVVSFYQVAAALQGDILASLPAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDILASLPAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIFEPAP 120

QY 121 GEGNSSQNSRNKRAVQGPETVTQDCLQILAISEPTTIQKSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTQDCLQILAISEPTTIQKSYTFVPMILSFKGSALAE 180

QY 181 KENKILVETGYFFITGVVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFITGVVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

Db 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKESPVSXKDGKLLATLLALLSSCC 60
Qy 61 LTVVSFYQVALQGDLLSLRAELQGHNAEKLPAAGAPAKGLBEAPAVTAGLTFEPPAP 120
Db 61 LTVVSFYQVALQGDLLSLRAELQGHNAEKLPAAGAPAKGLBEAPAVTAGLTFEPPAP 120
Qy 121 GEGNSSQNSNRKRAVQGEETVTDCLQIADSEPTIQKSYTFVPMILSPKGSALAE 180
Db 121 GEGNSSQNSNRKRAVQGEETVTDCLQIADSEPTIQKSYTFVPMILSPKGSALAE 180
Qy 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKRVHVFGEDELSTVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKRVHVFGEDELSTVTLFRCIQNMPELT 240
Qy 241 PNNSCYSAGIAKLEBGEDELQAIIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQAIIPRENAQISLDGDVTFFGALKL 285

RESULT 24
US-10-127-900A-24
Sequence 24, Application US/10127900A
Publication No. US20030203429A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guiney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C31
CURRENT APPLICATION NUMBER: US/10/127,900A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-900A-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKESPVSXKDGKLLATLLALLSSCC 60
Db 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKESPVSXKDGKLLATLLALLSSCC 60
Qy 61 LTVVSFYQVALQGDLLSLRAELQGHNAEKLPAAGAPAKGLBEAPAVTAGLTFEPPAP 120
Db 61 LTVVSFYQVALQGDLLSLRAELQGHNAEKLPAAGAPAKGLBEAPAVTAGLTFEPPAP 120
Qy 121 GEGNSSQNSNRKRAVQGEETVTDCLQIADSEPTIQKSYTFVPMILSPKGSALAE 180
Db 121 GEGNSSQNSNRKRAVQGEETVTDCLQIADSEPTIQKSYTFVPMILSPKGSALAE 180
Qy 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKRVHVFGEDELSTVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKRVHVFGEDELSTVTLFRCIQNMPELT 240
Qy 241 PNNSCYSAGIAKLEBGEDELQAIIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQAIIPRENAQISLDGDVTFFGALKL 285

RESULT 25
US-10-128-685A-24
Sequence 24, Application US/10128685A
Publication No. US20030203430A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guiney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C116
CURRENT APPLICATION NUMBER: US/10/128,685A
CURRENT FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19


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:
: LENGTH: 285
: TYPE: PRT
: ORGANISM: Homo Sapien
:

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US-10-142-886-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRLLTSCLEKREEMKLEKCVSILPRKESPSVSSKDGKLAATLLALLSCC 60
DB 1 MDSTEREQSRLLTSCLEKREEMKLEKCVSILPRKESPSVSSKDGKLAATLLALLSCC 60
QY 61 LTVSFYQVAALQDGLASLRALQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVSFYQVAALQDGLASLRALQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIÖKGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIÖKGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIÖRKKVHVGDLSLVTLPFCIONMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIÖRKKVHVGDLSLVTLPFCIONMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 28

US-10-146-728-24
Sequence 24, Application US/10146728
Publication No. US20030203437A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P33081C321
CURRENT APPLICATION NUMBER: US/10/146,728
CURRENT FILING DATE: 2002-05-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-728-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRLLTSCLEKREEMKLEKCVSILPRKESPSVSSKDGKLAATLLALLSCC 60
DB 1 MDSTEREQSRLLTSCLEKREEMKLEKCVSILPRKESPSVSSKDGKLAATLLALLSCC 60
QY 61 LTVSFYQVAALQDGLASLRALQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVSFYQVAALQDGLASLRALQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120

QY 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIÖKGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIÖKGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIÖRKKVHVGDLSLVTLPFCIONMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIÖRKKVHVGDLSLVTLPFCIONMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 29

US-10-146-786-24
Sequence 24, Application US/10146786
Publication No. US20030203438A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P33081C313
CURRENT APPLICATION NUMBER: US/10/146,786
CURRENT FILING DATE: 2002-05-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-786-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRLLTSCLEKREEMKLEKCVSILPRKESPSVSSKDGKLAATLLALLSCC 60
DB 1 MDSTEREQSRLLTSCLEKREEMKLEKCVSILPRKESPSVSSKDGKLAATLLALLSCC 60
QY 61 LTVSFYQVAALQDGLASLRALQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVSFYQVAALQDGLASLRALQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIÖKGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIÖKGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIÖRKKVHVGDLSLVTLPFCIONMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIÖRKKVHVGDLSLVTLPFCIONMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

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RESULT 30
US-10-147-499-24
; Sequence 24, Application US/10147499
; Publication No. US20030203439A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C348
; CURRENT APPLICATION NUMBER: US/10/147,499
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-499-24

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRILTSCIKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSRILTSCIKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRKRRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVPMILSFKRSALAE 180
DB 121 GEGNSQNSRKRRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVPMILSFKRSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSVTLFRQIONMPEETL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSVTLFRQIONMPEETL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 31
US-10-157-798-24
; Sequence 24, Application US/10157798
; Publication No. US20030203440A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
```

```
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C443
; CURRENT APPLICATION NUMBER: US/10/157,798
; CURRENT FILING DATE: 2002-05-29
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-157-798-24

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRILTSCIKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSRILTSCIKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRKRRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVPMILSFKRSALAE 180
DB 121 GEGNSQNSRKRRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVPMILSFKRSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSVTLFRQIONMPEETL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSVTLFRQIONMPEETL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 32
US-10-279-687-2
; Sequence 2, Application US/10279687
; Publication No. US20030211509A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Wiley, Steven R.
; TITLE OF INVENTION: TNF-DELTA LIGAND AND USES THEREOF
; FILE REFERENCE: 6255 US C2
; CURRENT APPLICATION NUMBER: US/10/279,687
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: US 10/105,738
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER: US 09/193,663
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US 60/065,916
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Fasts3Q for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-279-687-2
```

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKESPSVRSSXOGKLLAATLILALSSCC 60
DB 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKESPSVRSSXOGKLLAATLILALSSCC 60

QY 61 LTVVSFYQVAAALQGLDASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
DB 61 LTVVSFYQVAAALQGLDASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120

QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIIOKGSYTFVFWMLISFRGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIIOKGSYTFVFWMLISFRGSALEE 180

QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELISVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELISVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGVTFFGALKL 285

RESULT 33
US-10-293-418-3228
; Sequence 3228, Application US/10293418
; Publication No. US20030223996A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PFS23P2
; CURRENT APPLICATION NUMBER: US/10/293,418
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 3228
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-293-418-3228

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKESPSVRSSXOGKLLAATLILALSSCC 60
DB 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKESPSVRSSXOGKLLAATLILALSSCC 60

QY 61 LTVVSFYQVAAALQGLDASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
DB 61 LTVVSFYQVAAALQGLDASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120

QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIIOKGSYTFVFWMLISFRGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIIOKGSYTFVFWMLISFRGSALEE 180

QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELISVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELISVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGVTFFGALKL 285

QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELISVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELISVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGVTFFGALKL 285

RESULT 34
US-10-305-654-98
; Sequence 98, Application US/10305654
; Publication No. US20030224984A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Gerber, Hans-Peter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Masters, Scott A.
; APPLICANT: Pan, J.
; APPLICANT: Paonli, N. F.
; APPLICANT: Stephan, J-P F.
; APPLICANT: Watanabe, C.K.
; APPLICANT: Wood, W.I.
; APPLICANT: Williams, P.M.
; APPLICANT: Ye, Weilan
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
; FILE REFERENCE: P3235R1C1
; CURRENT APPLICATION NUMBER: US/10/305,654
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 383
; SEQ ID NO 98
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homosapiens
US-10-305-654-98

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKESPSVRSSXOGKLLAATLILALSSCC 60
DB 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKESPSVRSSXOGKLLAATLILALSSCC 60

QY 61 LTVVSFYQVAAALQGLDASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
DB 61 LTVVSFYQVAAALQGLDASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120

QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIIOKGSYTFVFWMLISFRGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIIOKGSYTFVFWMLISFRGSALEE 180

QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELISVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELISVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGVTFFGALKL 285

RESULT 35
US-10-028-072-24
; Sequence 24, Application US/10028072
; Publication No. US20030004311A1
; GENERAL INFORMATION:

Wed Aug 25 15:26:11 2004

us-09-911-777b-1.rapb

Page 19

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Geo, Wei-Oliang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang
TITLE OF INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/028,072
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059836
PRIOR FILING DATE: 1997-09-24
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062285
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062814
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/062816
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063045
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063082
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063127
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063327
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063329
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063550
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063561
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063704
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063733
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063735
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063738
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063755
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064248
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064809
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065846
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/069212
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069278
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069334
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069694
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/074092
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323

PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085379
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086414
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/086430
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088730
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088741
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090538
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTERQSRJLTSCLKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTERQSRJLTSCLKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYVAALQGDILASIRAELOGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
DB 61 LTVVSFYVAALQGDILASIRAELOGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTQDCLQIADSEPTIÖKSSTYFVPMILSFKGSALAE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTQDCLQIADSEPTIÖKSSTYFVPMILSFKGSALAE 180
QY 181 KENKILVETGTFYFGVLTDTKYAMGHLIÖRKXKAVFDELSLVTLPFCIONMPETL 240
DB 181 KENKILVETGTFYFGVLTDTKYAMGHLIÖRKXKAVFDELSLVTLPFCIONMPETL 240
QY 241 PNNSCYSAGIALKEGDELOLAIPRENAÖISLDGVTFFGALKLL 285

DB 241 PNNSCYSAGIALKEGDELOLAIPRENAÖISLDGVTFFGALKLL 285
RESULT 36
US-10-068-725-5
Sequence 5, Application US/10068725
Publication No. US20030012783A1
GENERAL INFORMATION:
APPLICANT: Kindsvogel, Wayne
TITLE OF INVENTION: Antibodies That Bind Both BCMA and TACI
FILE REFERENCE: 01-04
CURRENT APPLICATION NUMBER: US/10/068,725
PRIOR FILING DATE: 2002-02-06
PRIOR APPLICATION NUMBER: 60/270,274
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/283,447
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
US-10-068-725-5

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTERQSRJLTSCLKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTERQSRJLTSCLKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYVAALQGDILASIRAELOGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
DB 61 LTVVSFYVAALQGDILASIRAELOGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTQDCLQIADSEPTIÖKSSTYFVPMILSFKGSALAE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTQDCLQIADSEPTIÖKSSTYFVPMILSFKGSALAE 180
QY 181 KENKILVETGTFYFGVLTDTKYAMGHLIÖRKXKAVFDELSLVTLPFCIONMPETL 240
DB 181 KENKILVETGTFYFGVLTDTKYAMGHLIÖRKXKAVFDELSLVTLPFCIONMPETL 240
QY 241 PNNSCYSAGIALKEGDELOLAIPRENAÖISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIALKEGDELOLAIPRENAÖISLDGVTFFGALKLL 285

RESULT 37
US-10-121-049-24
Sequence 24, Application US/10121049
Publication No. US2003002239A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Matarabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE OF INVENTION: ACIDS ENCODING THE SAME
 FILE REFERENCE: P3330R1C17
 CURRENT APPLICATION NUMBER: US/10/121,049
 CURRENT FILING DATE: 2002-04-12
 Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-121-049-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3,2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKEEMKKECVSILPKRESPSVSSKDGKLAATLLALISCC 60
 Db 1 MDDSTEREQSRLTSCIKKEEMKKECVSILPKRESPSVSSKDGKLAATLLALISCC 60
 QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPAGAGAPKAGLEBAPAVTAGIKTFEPPAP 120
 Db 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPAGAGAPKAGLEBAPAVTAGIKTFEPPAP 120
 QY 121 GEGNSQNSRNKRAVQGEETVTDCLQILADSETPTIQKSYTFVWMLSPKGSALAE 180
 Db 121 GEGNSQNSRNKRAVQGEETVTDCLQILADSETPTIQKSYTFVWMLSPKGSALAE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKXKXHVFGDELSVTLFRCIQNMPELT 240
 Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKXKXHVFGDELSVTLFRCIQNMPELT 240
 QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
 Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 38
US-10-123-904-24

Sequence 24, Application US/10123904
 Publication No. US20030022328A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: DeForge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Guirney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C54
 CURRENT APPLICATION NUMBER: US/10/123,904
 CURRENT FILING DATE: 2002-04-16
 Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-123-904-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3,2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKEEMKKECVSILPKRESPSVSSKDGKLAATLLALISCC 60
 Db 1 MDDSTEREQSRLTSCIKKEEMKKECVSILPKRESPSVSSKDGKLAATLLALISCC 60
 QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPAGAGAPKAGLEBAPAVTAGIKTFEPPAP 120
 Db 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPAGAGAPKAGLEBAPAVTAGIKTFEPPAP 120
 QY 121 GEGNSQNSRNKRAVQGEETVTDCLQILADSETPTIQKSYTFVWMLSPKGSALAE 180
 Db 121 GEGNSQNSRNKRAVQGEETVTDCLQILADSETPTIQKSYTFVWMLSPKGSALAE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKXKXHVFGDELSVTLFRCIQNMPELT 240
 Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKXKXHVFGDELSVTLFRCIQNMPELT 240
 QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
 Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 39

US-10-140-470-24

Sequence 24, Application US/10140470
 Publication No. US20030022331A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: DeForge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Guirney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C160
 CURRENT APPLICATION NUMBER: US/10/140,470
 CURRENT FILING DATE: 2002-05-06
 Prior Application removed - See File Wrapper
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-140-470-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3,2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKEEMKKECVSILPKRESPSVSSKDGKLAATLLALISCC 60
 Db 1 MDDSTEREQSRLTSCIKKEEMKKECVSILPKRESPSVSSKDGKLAATLLALISCC 60
 QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPAGAGAPKAGLEBAPAVTAGIKTFEPPAP 120
 Db 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPAGAGAPKAGLEBAPAVTAGIKTFEPPAP 120
 QY 121 GEGNSQNSRNKRAVQGEETVTDCLQILADSETPTIQKSYTFVWMLSPKGSALAE 180

Db 121 GEGNSONSNNKRAVQGEETVTDCLQIADSETPTIQKSYTFVPMILSFKGSALAE 180
Qy 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLQKQKHYVGDLSLVTLPFCIQNNPETL 240
Db 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLQKQKHYVGDLSLVTLPFCIQNNPETL 240
Qy 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 40

US-10-214-065-6
Sequence 6, Application US/10214065
Publication No. US20030023038A1
GENERAL INFORMATION:
APPLICANT: BIOGEN, INC.
APPLICANT: Renner, Paul D.
APPLICANT: Thompson, Jeffrey S.
APPLICANT: Ambrose, Christine
APPLICANT: Cachero, Teresa G.
TITLE OF INVENTION: Heterologous Polypeptide of the TNP
FILE REFERENCE: A092 US
CURRENT APPLICATION NUMBER: US/10/214,065
CURRENT FILING DATE: 2002-08-07
PRIOR APPLICATION NUMBER: 60/181,670
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: PCT/US01/04121
PRIOR FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapien
US-10-214-065-6

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MDDSTERQSLTSLCKRREMKLKECVSILPRKESVSRSXGKLLAATLLALISCC 60
Db 1 MDDSTERQSLTSLCKRREMKLKECVSILPRKESVSRSXGKLLAATLLALISCC 60
Qy 61 LTVSFGVVALQGLDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVSFGVVALQGLDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Qy 121 GEGNSONSNNKRAVQGEETVTDCLQIADSETPTIQKSYTFVPMILSFKGSALAE 180
Db 121 GEGNSONSNNKRAVQGEETVTDCLQIADSETPTIQKSYTFVPMILSFKGSALAE 180
Qy 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLQKQKHYVGDLSLVTLPFCIQNNPETL 240
Db 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLQKQKHYVGDLSLVTLPFCIQNNPETL 240
Qy 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 41

US-10-175-746-24
Sequence 24, Application US/10175746
Publication No. US20030027270A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C353
CURRENT APPLICATION NUMBER: US/10/175,746
CURRENT FILING DATE: 2002-06-19
Prior Application removed - See File wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-175-746-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MDDSTERQSLTSLCKRREMKLKECVSILPRKESVSRSXGKLLAATLLALISCC 60
Db 1 MDDSTERQSLTSLCKRREMKLKECVSILPRKESVSRSXGKLLAATLLALISCC 60
Qy 61 LTVSFGVVALQGLDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVSFGVVALQGLDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Qy 121 GEGNSONSNNKRAVQGEETVTDCLQIADSETPTIQKSYTFVPMILSFKGSALAE 180
Db 121 GEGNSONSNNKRAVQGEETVTDCLQIADSETPTIQKSYTFVPMILSFKGSALAE 180
Qy 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLQKQKHYVGDLSLVTLPFCIQNNPETL 240
Db 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLQKQKHYVGDLSLVTLPFCIQNNPETL 240
Qy 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 42

US-10-176-918-24
Sequence 24, Application US/10176918
Publication No. US20030027275A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; TITLE OF INVENTION: ACIDS ENCODING THE SAME
;; FILE REFERENCE: P3303R1C382
;; CURRENT APPLICATION NUMBER: US/10/176,918
;; PRIOR FILING DATE: 2002-06-20
;; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 24
;; LENGTH: 285
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-176-918-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALISCC 60
DB 1 MDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALISCC 60

QY 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

QY 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVFWMLSPKGSALAE 180

QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVFWMLSPKGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLPRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLPRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 43
US-10-176-921-24
;; Sequence 24, Application US/10176921
;; Publication No. US20030027276A1
;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; TITLE OF INVENTION: ACIDS ENCODING THE SAME
;; FILE REFERENCE: P3303R1C288
;; CURRENT APPLICATION NUMBER: US/10/176,921
;; CURRENT FILING DATE: 2002-06-20
;; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 24
;; LENGTH: 285
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-176-921-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALISCC 60
DB 1 MDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALISCC 60

QY 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

QY 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVFWMLSPKGSALAE 180

QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVFWMLSPKGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLPRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLPRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 44
US-10-137-865-24
;; Sequence 24, Application US/10137865
;; Publication No. US20030032155A1
;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; TITLE OF INVENTION: ACIDS ENCODING THE SAME
;; FILE REFERENCE: P3303R1C154
;; CURRENT APPLICATION NUMBER: US/10/137,865
;; CURRENT FILING DATE: 2002-05-03
;; PRIOR APPLICATION REMOVED - See File Wrapper
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 24
;; LENGTH: 285
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-137-865-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALISCC 60
DB 1 MDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALISCC 60

QY 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

QY 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSIRAELOGHHAETKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVFWMLSPKGSALAE 180

Db 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
Qy 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEL 240
Db 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEL 240
Qy 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 45
US-10-140-474-24
; Sequence 24, Application US/10140474
; Publication No. US20030032156A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C162
; CURRENT APPLICATION NUMBER: US/10/140,474
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-474-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDDSTEREOSRLTSCCLKREEMKLEKCVSILPRKESPSVRSKDGKLIATLLALLSCC 60
Db 1 MDDSTEREOSRLTSCCLKREEMKLEKCVSILPRKESPSVRSKDGKLIATLLALLSCC 60
Qy 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
Db 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
Qy 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
Db 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
Qy 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEL 240
Db 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEL 240
Qy 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 46

US-10-142-431-24
; Sequence 24, Application US/10142431
; Publication No. US20030036179A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C251
; CURRENT APPLICATION NUMBER: US/10/142,431
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-431-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDDSTEREOSRLTSCCLKREEMKLEKCVSILPRKESPSVRSKDGKLIATLLALLSCC 60
Db 1 MDDSTEREOSRLTSCCLKREEMKLEKCVSILPRKESPSVRSKDGKLIATLLALLSCC 60
Qy 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
Db 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
Qy 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
Db 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
Qy 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEL 240
Db 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEL 240
Qy 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 47
US-10-143-114-24
; Sequence 24, Application US/10143114
; Publication No. US20030036180A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C251
; CURRENT APPLICATION NUMBER: US/10/143,114
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-143-114-24

```

; APPLICANT: Gurney,Austin L.
; APPLICANT: Sherwood,Steven
; APPLICANT: Smith,Victoria
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C211
; CURRENT APPLICATION NUMBER: US/10/143,114
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-143-114-24

Query Match          100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No.3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRITSCLKREEMKLKCVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTERQSRITSCLKREEMKLKCVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120

QY 121 GEGNSSQNSRNRKAVQGEETVTDCLQILADSEPTIQKSYTFVPMILSFKRGSALEE 180
DB 121 GEGNSSQNSRNRKAVQGEETVTDCLQILADSEPTIQKSYTFVPMILSFKRGSALEE 180

QY 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQRKVAVFGDELSTVTLFRCIONMPETL 240
DB 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQRKVAVFGDELSTVTLFRCIONMPETL 240

QY 241 PNNSCYSAGIAKLEBGBDLQLAIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGBDLQLAIPRENAQISLDGDTVFFGALKL 285

RESULT 48
; US-10-140-002-24
; Sequence 24, Application US/10140002
; Publication No. US20030037623A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C59
; CURRENT APPLICATION NUMBER: US/10/140,002
; CURRENT FILING DATE: 2002-05-06
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; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-140-002-24

Query Match          100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No.3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRITSCLKREEMKLKCVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTERQSRITSCLKREEMKLKCVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120

QY 121 GEGNSSQNSRNRKAVQGEETVTDCLQILADSEPTIQKSYTFVPMILSFKRGSALEE 180
DB 121 GEGNSSQNSRNRKAVQGEETVTDCLQILADSEPTIQKSYTFVPMILSFKRGSALEE 180

QY 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQRKVAVFGDELSTVTLFRCIONMPETL 240
DB 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQRKVAVFGDELSTVTLFRCIONMPETL 240

QY 241 PNNSCYSAGIAKLEBGBDLQLAIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGBDLQLAIPRENAQISLDGDTVFFGALKL 285

RESULT 49
; US-10-142-419-24
; Sequence 24, Application US/10142419
; Publication No. US20030044945A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C244
; CURRENT APPLICATION NUMBER: US/10/142,419
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-142-419-24

Query Match          100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No.3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRITSCLKREEMKLKCVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
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Db 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALLSCC 60
QY 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSEPTTIQKSYTFVPMILSFKRGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSEPTTIQKSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVETGYFFTYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFTYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL 285
Db 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL 285
RESULT 50
US-10-123-262-24
; Sequence 24, Application US/10123262
; Publication No. US20030049816A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C38
; CURRENT APPLICATION NUMBER: US/10/123.262
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-262-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 181 KENKILVETGYFFTYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL 285
Db 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL 285
RESULT 51
US-10-142-423-24
; Sequence 24, Application US/10142423
; Publication No. US20030049817A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C249
; CURRENT APPLICATION NUMBER: US/10/142.423
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-423-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Guiney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C20
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US/10/121,050
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-050-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRITSCLEKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTERQSRITSCLEKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRKRAVQGPBEETVTDCLQILADSEPTIIOKGSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSSQNSRKRAVQGPBEETVTDCLQILADSEPTIIOKGSYTFVFWLLSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGBDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGBDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 53
US-10-141-755-24
; Sequence 24, Application US/10141755
; Publication No. US20030054517A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Guiney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel

```

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; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C192
; CURRENT FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: US/10/141,755
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-755-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRITSCLEKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTERQSRITSCLEKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRKRAVQGPBEETVTDCLQILADSEPTIIOKGSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSSQNSRKRAVQGPBEETVTDCLQILADSEPTIIOKGSYTFVFWLLSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGBDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGBDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 54
US-10-151-882-38
; Sequence 38, Application US/10151882
; Publication No. US20030059862A1
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Antibodies Against Tumor Necrosis Factor Delta (APRIL)
; FILE REFERENCE: PF554
; CURRENT FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: US/10/151,882
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-151-882-38

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRITSCLEKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTERQSRITSCLEKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRKRAVQGPBEETVTDCLQILADSEPTIIOKGSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSSQNSRKRAVQGPBEETVTDCLQILADSEPTIIOKGSYTFVFWLLSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGBDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGBDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285

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QY 121 GEGNSONSRKRAVOGPEETVODCLQIADSEPTIQRKGYTFVPMILSPKRGSALEE 180
DB 121 GEGNSONSRKRAVOGPEETVODCLQIADSEPTIQRKGYTFVPMILSPKRGSALEE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKXVHVGDELSLVTLEFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKXVHVGDELSLVTLEFRCIQNMPEYL 240
QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLSDGVTFPGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLSDGVTFPGALKL 285

RESULT 55
US-10-143-032-24
Sequence 24, Application US/10143032
Publication NO. US20030059903A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gettitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C245
CURRENT APPLICATION NUMBER: US/10/143,032
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-032-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTBERQSRILSCCLKREEMKKECVSILPRKESPSVRSKDKLLAATLLIALISCC 60
DB 1 MDSTBERQSRILSCCLKREEMKKECVSILPRKESPSVRSKDKLLAATLLIALISCC 60
QY 61 LTVASFVOVALQODLASRAELQGHAEKLPAGAGAPKXGLFEAPAVTAGLIFEPAP 120
DB 61 LTVASFVOVALQODLASRAELQGHAEKLPAGAGAPKXGLFEAPAVTAGLIFEPAP 120
QY 121 GEGNSONSRKRAVOGPEETVODCLQIADSEPTIQRKGYTFVPMILSPKRGSALEE 180
DB 121 GEGNSONSRKRAVOGPEETVODCLQIADSEPTIQRKGYTFVPMILSPKRGSALEE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKXVHVGDELSLVTLEFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKXVHVGDELSLVTLEFRCIQNMPEYL 240
QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLSDGVTFPGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLSDGVTFPGALKL 285

RESULT 56
US-10-123-108-24
Sequence 24, Application US/10123108
Publication NO. US20030068793A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gettitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C36
CURRENT APPLICATION NUMBER: US/10/123,108
CURRENT FILING DATE: 2002-04-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
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PRIOR FILING DATE: 1997-09-17
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PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059836
PRIOR FILING DATE: 1997-09-24
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062285
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-10-24
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PRIOR FILING DATE: 1997-10-24
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PRIOR FILING DATE: 1997-10-27
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PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063550
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063561
PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063704
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063733
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PRIOR FILING DATE: 1997-10-29
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064248
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064809
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PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453
PRIOR FILING DATE: 1997-11-24
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PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
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PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069684
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
PRIOR FILING DATE: 1998-02-09
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PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079234
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627

PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
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PRIOR FILING DATE: 1998-05-15
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
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PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-10
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PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
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PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090538
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3 2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDSTERQSRILSCLEKREMKLECVSILPREKSSVRSKDKLILALISCC 60
DB 1 MDSTERQSRILSCLEKREMKLECVSILPREKSSVRSKDKLILALISCC 60
QY 61 LTVSFOVALQODLILSLRAELQGHFAFKLPAGAGAPKXGLLEBAPAVTAKLFEPPAP 120
DB 61 LTVSFOVALQODLILSLRAELQGHFAFKLPAGAGAPKXGLLEBAPAVTAKLFEPPAP 120
QY 121 GEGNSSQNSRNRKRAVQGEETVTQDCQLIADSETPTIOKGSYTFVFWLLSPKGSALFE 180
DB 121 GEGNSSQNSRNRKRAVQGEETVTQDCQLIADSETPTIOKGSYTFVFWLLSPKGSALFE 180

QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVGDELSLVTLPFCIONMPETL 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVGDELSLVTLPFCIONMPETL 240
QY 241 PNNSCYSAGIAKLEBEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 57

US-10-123-236-24
Sequence 24, Application US/10123236
Publication No. US20030068795A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C33
CURRENT APPLICATION NUMBER: US/10/123, 236
CURRENT FILING DATE: 2002-04-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-236-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;
QY 1 MDSTEREQSLTSCCLKREEMKLECVSILPRKESPSVSSXDGKLLAATLLALISCC 60
DB 1 MDSTEREQSLTSCCLKREEMKLECVSILPRKESPSVSSXDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAAIQDILASLRALQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPAP 120
DB 61 LTVVSFYQVAAIQDILASLRALQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPAP 120
QY 121 GEGNSQSRKRAVQGEETVTDCLQILADSETPTIOKGSYTFVFWLISFKGSALAE 180
DB 121 GEGNSQSRKRAVQGEETVTDCLQILADSETPTIOKGSYTFVFWLISFKGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVGDELSLVTLPFCIONMPETL 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVGDELSLVTLPFCIONMPETL 240
QY 241 PNNSCYSAGIAKLEBEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 58

US-10-123-261-24
Sequence 24, Application US/10123261
Publication No. US20030068796A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C42
CURRENT APPLICATION NUMBER: US/10/123, 261
CURRENT FILING DATE: 2002-04-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-261-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;
QY 1 MDSTEREQSLTSCCLKREEMKLECVSILPRKESPSVSSXDGKLLAATLLALISCC 60
DB 1 MDSTEREQSLTSCCLKREEMKLECVSILPRKESPSVSSXDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAAIQDILASLRALQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPAP 120
DB 61 LTVVSFYQVAAIQDILASLRALQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPAP 120
QY 121 GEGNSQSRKRAVQGEETVTDCLQILADSETPTIOKGSYTFVFWLISFKGSALAE 180
DB 121 GEGNSQSRKRAVQGEETVTDCLQILADSETPTIOKGSYTFVFWLISFKGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVGDELSLVTLPFCIONMPETL 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKVHVGDELSLVTLPFCIONMPETL 240
QY 241 PNNSCYSAGIAKLEBEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 59

US-10-140-921-24
Sequence 24, Application US/10140921
Publication No. US20030068797A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria


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/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C175
/ CURRENT APPLICATION NUMBER: US/10/140,921
/ CURRENT FILING DATE: 2002-05-07
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-140-921-24

Query Match
Best Local Similarity 100.0%; Score 1451; DB 14; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNRKRAVQGEETVTQDCLQIADSEPTIÖKSSTYFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNRKRAVQGEETVTQDCLQIADSEPTIÖKSSTYFVPMILSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDXTYAMGHILÖRKKVHVFEDLSLVTLFRCLÖNMPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDXTYAMGHILÖRKKVHVFEDLSLVTLFRCLÖNMPETL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAÖISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAÖISLDGDTFFGALKL 285

RESULT 60
US-10-140-928-24
/ Sequence 24, Application US/10140928
/ Publication No. US20030068798A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C186
/ CURRENT APPLICATION NUMBER: US/10/140,928
/ CURRENT FILING DATE: 2002-05-07
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
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/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-140-928-24

Query Match
Best Local Similarity 100.0%; Score 1451; DB 14; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNRKRAVQGEETVTQDCLQIADSEPTIÖKSSTYFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNRKRAVQGEETVTQDCLQIADSEPTIÖKSSTYFVPMILSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDXTYAMGHILÖRKKVHVFEDLSLVTLFRCLÖNMPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDXTYAMGHILÖRKKVHVFEDLSLVTLFRCLÖNMPETL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAÖISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAÖISLDGDTFFGALKL 285
```

```

RESULT 61
US-10-121-045-24
/ Sequence 24, Application US/10121045
/ Publication No. US20030073210A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C8
/ CURRENT APPLICATION NUMBER: US/10/121,045
/ CURRENT FILING DATE: 2002-04-11
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-121-045-24

Query Match
Best Local Similarity 100.0%; Score 1451; DB 14; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
```

QY 61 LTVVSFYVAAALOGDLASIRAELOGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYVAAALOGDLASIRAELOGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPETVTODCLOLIADSETPTIQKSYTFVFWLLSFKGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTODCLOLIADSETPTIQKSYTFVFWLLSFKGSALEE 180
QY 181 KENKILVETGYFFIYGVVLYTDKTYAMGHLIQRKKVHVGDELSLVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGVVLYTDKTYAMGHLIQRKKVHVGDELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKLL 285

RESULT 62
US-10-123-292-24
; Sequence 24, Application US/10123292
; Publication No. US2003007321A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C32
CURRENT APPLICATION NUMBER: US/10/123,292
CURRENT FILING DATE: 2002-04-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-292-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKLL 285

RESULT 63
US-10-123-903-24
; Sequence 24, Application US/10123903
; Publication No. US2003007321A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C31
CURRENT APPLICATION NUMBER: US/10/123,903
CURRENT FILING DATE: 2002-04-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-903-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRITSLTKREEMKKECVSILPRKESPVSVSSKQKLLAATLLALISCC 60
DB 1 MDDSTERQSRITSLTKREEMKKECVSILPRKESPVSVSSKQKLLAATLLALISCC 60
QY 61 LTVVSFYVAAALOGDLASIRAELOGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYVAAALOGDLASIRAELOGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPETVTODCLOLIADSETPTIQKSYTFVFWLLSFKGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTODCLOLIADSETPTIQKSYTFVFWLLSFKGSALEE 180
QY 181 KENKILVETGYFFIYGVVLYTDKTYAMGHLIQRKKVHVGDELSLVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGVVLYTDKTYAMGHLIQRKKVHVGDELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKLL 285

RESULT 64
US-10-124-819-24
; Sequence 24, Application US/10124819
; Publication No. US2003007321A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C31
CURRENT APPLICATION NUMBER: US/10/124,819
CURRENT FILING DATE: 2002-04-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-819-24

```

/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C64
/ CURRENT APPLICATION NUMBER: US/10/124,822
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-124-819-24

```

```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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QY 1 MDDSTEREQSRILTCLKREEMKLEKCVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSRILTCLKREEMKLEKCVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNRKRAVQGEPEETVODCLQIADSEPTIQGSGYTFVPMWLSFKRGSALAE 180
DB 121 GEGNSSQNSRNRKRAVQGEPEETVODCLQIADSEPTIQGSGYTFVPMWLSFKRGSALAE 180
QY 181 KENKILVETGYFYIYQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQMPETL 240
DB 181 KENKILVETGYFYIYQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQMPETL 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

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RESULT 65
US-10-124-822-24
/ Sequence 24, Application US/10124822
/ Publication No. US20030073214A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin

```

```

/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C64
/ CURRENT APPLICATION NUMBER: US/10/124,822
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-124-822-24

```

```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQSRILTCLKREEMKLEKCVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSRILTCLKREEMKLEKCVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNRKRAVQGEPEETVODCLQIADSEPTIQGSGYTFVPMWLSFKRGSALAE 180
DB 121 GEGNSSQNSRNRKRAVQGEPEETVODCLQIADSEPTIQGSGYTFVPMWLSFKRGSALAE 180
QY 181 KENKILVETGYFYIYQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQMPETL 240
DB 181 KENKILVETGYFYIYQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQMPETL 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

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RESULT 66
US-10-140-925-24
/ Sequence 24, Application US/10140925
/ Publication No. US20030073215A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C187
/ CURRENT APPLICATION NUMBER: US/10/140,925
/ PRIOR APPLICATION REMOVED - See Palm or File Wrapper
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-140-925-24

```

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60
DB 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGEPEVTVDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSQNSRNKRAVQGEPEVTVDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 67
US-10-160-498-24
Sequence 24, Application US/10160498
Publication No. US20030073216A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C451
CURRENT APPLICATION NUMBER: US/10/160,498
CURRENT FILING DATE: 2002-05-30
Prior Application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-160-498-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60
DB 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGEPEVTVDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSQNSRNKRAVQGEPEVTVDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 69

DB 121 GEGNSQNSRNKRAVQGEPEVTVDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 68
US-10-124-824-24
Sequence 24, Application US/10124824
Publication No. US20030077659A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C68
CURRENT APPLICATION NUMBER: US/10/124,824
CURRENT FILING DATE: 2002-04-17
Prior Application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-824-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60
DB 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGEPEVTVDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSQNSRNKRAVQGEPEVTVDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 69

US-10-127-825A-24
Sequence 24, Application US/10127825A
Publication No. US20030077710A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Laureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCES: P330R1C84
CURRENT APPLICATION NUMBER: US/10/127, 825A
CURRENT FILING DATE: 2002-04-22
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-825A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTREOSRLTSCIKKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60
DB 1 MDDSTREOSRLTSCIKKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDALSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTFEPAP 120
DB 61 LTVVSFYQVAALQGDALSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTFEPAP 120
QY 121 GGNSSQNSRNRKRAVQGPETVTTODCLQIADSEPTTIQKSYTFVPMILSFKRSALAE 180
DB 121 GGNSSQNSRNRKRAVQGPETVTTODCLQIADSEPTTIQKSYTFVPMILSFKRSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFEGDELVLVTLFRICQMPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFEGDELVLVTLFRICQMPETL 240

QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDVTFEGALKLL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDVTFEGALKLL 285

RESULT 70
US-10-127-829A-24
Sequence 24, Application US/10127829A
Publication No. US20030077711A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Laureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCES: P330R1C85
CURRENT APPLICATION NUMBER: US/10/127, 829A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-829A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTREOSRLTSCIKKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60
DB 1 MDDSTREOSRLTSCIKKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDALSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTFEPAP 120
DB 61 LTVVSFYQVAALQGDALSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTFEPAP 120

QY 121 GGNSSQNSNRKRAVQGPBEETVODCLQIADSEPTIOKGSYTFVPMILSFRGSALEE 180
DB 121 GGNSSQNSNRKRAVQGPBEETVODCLQIADSEPTIOKGSYTFVPMILSFRGSALEE 180
QY 181 KENKILVKEIGYFFITGVLYTDKTYAMGHLIQKRVHVFGEDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVKEIGYFFITGVLYTDKTYAMGHLIQKRVHVFGEDELSTVTLFRCIQNMPEL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDVTFPGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDVTFPGALKL 285

RESULT 71

US-10-127-835A-24
Sequence 24, Application US/10127835A
Publication No. US20030077712A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C102
CURRENT APPLICATION NUMBER: US/10/127,835A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/048911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-835A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRULTSLKREEMKKECVSILPRKESPSVSSXDKGLIAATLIALISCC 60

DB 1 MDDSTERQSRULTSLKREEMKKECVSILPRKESPSVSSXDKGLIAATLIALISCC 60
QY 61 LTVVSFYQVAAIQDILASLRAELIQHHAERKLPACAGAPKAGLEBAPAVTGLKIFEPAP 120
DB 61 LTVVSFYQVAAIQDILASLRAELIQHHAERKLPACAGAPKAGLEBAPAVTGLKIFEPAP 120
QY 121 GGNSSQNSNRKRAVQGPBEETVODCLQIADSEPTIOKGSYTFVPMILSFRGSALEE 180
DB 121 GGNSSQNSNRKRAVQGPBEETVODCLQIADSEPTIOKGSYTFVPMILSFRGSALEE 180
QY 181 KENKILVKEIGYFFITGVLYTDKTYAMGHLIQKRVHVFGEDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVKEIGYFFITGVLYTDKTYAMGHLIQKRVHVFGEDELSTVTLFRCIQNMPEL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDVTFPGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDVTFPGALKL 285

RESULT 72

US-10-127-839A-24
Sequence 24, Application US/10127839A
Publication No. US20030077713A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C105
CURRENT APPLICATION NUMBER: US/10/127,839A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/048911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien

US-10-127-693A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCCLKREEMKLEKCVSILPRKSPSVSSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSRLTSCCLKREEMKLEKCVSILPRKSPSVSSKDGKLLAATLLALSSCC 60
QY 61 LTVSFFQVAAALQGDLSLRALQGHNAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVSFFQVAAALQGDLSLRALQGHNAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQILADSEPTIQKSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQILADSEPTIQKSYTFVFWLLSFKRGSALAE 180
QY 181 KENKLVKETGYFFIYGQVLYTDKTYAMGHLIQKKVAVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKLVKETGYFFIYGQVLYTDKTYAMGHLIQKKVAVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 73

US-10-127-901A-24

Sequence 24, Application US/10127901A
Publication No. US2003007771A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C86
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: US/10/127,901A
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588

PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24

LENGTH: 285

TYPE: PRT

ORGANISM: Homo Sapien

US-10-127-901A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCCLKREEMKLEKCVSILPRKSPSVSSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSRLTSCCLKREEMKLEKCVSILPRKSPSVSSKDGKLLAATLLALSSCC 60
QY 61 LTVSFFQVAAALQGDLSLRALQGHNAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVSFFQVAAALQGDLSLRALQGHNAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQILADSEPTIQKSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQILADSEPTIQKSYTFVFWLLSFKRGSALAE 180
QY 181 KENKLVKETGYFFIYGQVLYTDKTYAMGHLIQKKVAVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKLVKETGYFFIYGQVLYTDKTYAMGHLIQKKVAVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 74

US-10-128-693A-24

Sequence 24, Application US/10128693A
Publication No. US20030077715A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C120
CURRENT FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: US/10/128,693A
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17

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PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-128-693A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVSFYQVAAALQGLDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFYQVAAALQGLDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRKRAVQGPETVTQDCLQIADSEPTIQKSYTFVPMILSFKGSALAE 180
DB 121 GEGNSQNSRKRAVQGPETVTQDCLQIADSEPTIQKSYTFVPMILSFKGSALAE 180
QY 181 KENKILVETGTFYFGVLYTDKTYAMGHLQKKVHVFDELSLTLFRCIONMPELT 240
DB 181 KENKILVETGTFYFGVLYTDKTYAMGHLQKKVHVFDELSLTLFRCIONMPELT 240
QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKIL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKIL 285

RESULT 75
US-10-131-813A-24
Sequence 24, Application US/10131813A
Publication No. US20030077716A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C139
CURRENT APPLICATION NUMBER: US/10/131, 813A
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113

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PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-813A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVSFYQVAAALQGLDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFYQVAAALQGLDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRKRAVQGPETVTQDCLQIADSEPTIQKSYTFVPMILSFKGSALAE 180
DB 121 GEGNSQNSRKRAVQGPETVTQDCLQIADSEPTIQKSYTFVPMILSFKGSALAE 180
QY 181 KENKILVETGTFYFGVLYTDKTYAMGHLQKKVHVFDELSLTLFRCIONMPELT 240
DB 181 KENKILVETGTFYFGVLYTDKTYAMGHLQKKVHVFDELSLTLFRCIONMPELT 240
QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKIL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKIL 285

RESULT 76
US-10-131-818A-24
Sequence 24, Application US/10131818A
Publication No. US20030077717A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C141

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CURRENT APPLICATION NUMBER: US/10/131.818A
CURRENT FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-818A-24

```

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Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREOSRLTCLKREEMKKECVSILPRKESPSVRSXKQKLLAATLLALSSCC 60
DB 1 MDDSTEREOSRLTCLKREEMKKECVSILPRKESPSVRSXKQKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDLSLRALQGHHAERKLPAGAGAPKAGLEBAVAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRALQGHHAERKLPAGAGAPKAGLEBAVAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVODCLQIADSEPTTIQGSYTFVWLLSFKGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVODCLQIADSEPTTIQGSYTFVWLLSFKGSALEE 180
QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPEETL 240
DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPEETL 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

```

```

RESULT 77
US-10-131-823A-24
Sequence 24, Application US/10131823A
Publication No. US20030077718A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.

```

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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C143
CURRENT APPLICATION NUMBER: US/10/131.823A
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-823A-24

```

```

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MDDSTEREOSRLTCLKREEMKKECVSILPRKESPSVRSXKQKLLAATLLALSSCC 60
DB 1 MDDSTEREOSRLTCLKREEMKKECVSILPRKESPSVRSXKQKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDLSLRALQGHHAERKLPAGAGAPKAGLEBAVAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRALQGHHAERKLPAGAGAPKAGLEBAVAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVODCLQIADSEPTTIQGSYTFVWLLSFKGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVODCLQIADSEPTTIQGSYTFVWLLSFKGSALEE 180
QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPEETL 240
DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPEETL 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

```

```

RESULT 78
US-10-131-824A-24
Sequence 24, Application US/10131824A
Publication No. US20030077719A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang

```

```

/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Geriltsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Matanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C137
/ CURRENT APPLICATION NUMBER: US/10/131,830A
/ PRIOR FILING DATE: 2002-10-17
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-131-830A-24

Query Match      100.0%: Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%: Pred. No.3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY      1  MODSTEREGSRLTSCCLKKREEMKLKECVSILPRKESPSVASSXDGKLLAATLLALLSCC 60
Db      1  MODSTEREGSRLTSCCLKKREEMKLKECVSILPRKESPSVASSXDGKLLAATLLALLSCC 60

QY      61  LTVVSYVYVAALOGGLASLRAELQGHIAKLPAGAGAPKAGLEEARAVNAGLKTREPPAP 120
Db      61  LTVVSYVYVAALOGGLASLRAELQGHIAKLPAGAGAPKAGLEEARAVNAGLKTREPPAP 120

QY      121  GEGNSONSRRKRAVQGEFEFTVTDCLQLIADSEPTLTKGSYTFVPMILSFRGSALBE 180
Db      121  GEGNSONSRRKRAVQGEFEFTVTDCLQLIADSEPTLTKGSYTFVPMILSFRGSALBE 180

QY      181  KENKLIIVETGTFYFGQVLYTDXTYMGHLIQKKVYHFGDELSLVTLFRCIOMNPELT 240
Db      181  KENKLIIVETGTFYFGQVLYTDXTYMGHLIQKKVYHFGDELSLVTLFRCIOMNPELT 240

QY      241  PNNCSYSGAIATLEBDELOALIPRENAQISLDGVTFFGALKLL 285

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Wed Aug 25 15:26:11 2004

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Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 80

US-10-131-837A-24
Sequence 24, Application US/10131837A
Publication No. US20030077721A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C131
CURRENT APPLICATION NUMBER: US/10/131, 837A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-837A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTCLKKEEMKKECVSILPRKESPSVSSKDGKLAATLILALLSCC 60
DB 1 MDDSTEREQRSLTCLKKEEMKKECVSILPRKESPSVSSKDGKLAATLILALLSCC 60
QY 61 LTVVSYFYAALOGDILASIRAELOGHNAEKLPAAGAPPAAGLEAPAVTAGIKIEPPAP 120
DB 61 LTVVSYFYAALOGDILASIRAELOGHNAEKLPAAGAPPAAGLEAPAVTAGIKIEPPAP 120
QY 121 GEQNSQNSRNKRAVGPETVTDCLQILADSEPTTIKSGSYTFVPMILSKRSALAE 180
DB 121 GEQNSQNSRNKRAVGPETVTDCLQILADSEPTTIKSGSYTFVPMILSKRSALAE 180

QY 181 KENKILVKEGYEYFYISQVLYTDKTYAMGHILQKKXHVFGDELSLTLFRICIONMBETL 240
DB 181 KENKILVKEGYEYFYISQVLYTDKTYAMGHILQKKXHVFGDELSLTLFRICIONMBETL 240

QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 81

US-10-137-872A-24
Sequence 24, Application US/10137872A
Publication No. US20030077722A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C150
CURRENT APPLICATION NUMBER: US/10/137, 872A
CURRENT FILING DATE: 2002-05-03
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-137-872A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTCLKKEEMKKECVSILPRKESPSVSSKDGKLAATLILALLSCC 60
DB 1 MDDSTEREQRSLTCLKKEEMKKECVSILPRKESPSVSSKDGKLAATLILALLSCC 60

QY 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTOCLOLIADSEPTIOKSYTFVPMILSFKGSALEB 180
DB 121 GEGNSQNSRNKRAVQGPETVTOCLOLIADSEPTIOKSYTFVPMILSFKGSALEB 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKAVHFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKAVHFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 82
US-10-147-500-24
; Sequence 24, Application US/10147500
; Publication No. US2003007722A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C325
; CURRENT APPLICATION NUMBER: US/10/147,500
; CURRENT FILING DATE: 2002-05-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-500-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTEREGSRLTSLCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLIALISCC 60
DB 1 MDDSTEREQSLTSLCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLIALISCC 60
QY 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTOCLOLIADSEPTIOKSYTFVPMILSFKGSALEB 180
DB 121 GEGNSQNSRNKRAVQGPETVTOCLOLIADSEPTIOKSYTFVPMILSFKGSALEB 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKAVHFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKAVHFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 83
US-10-147-502-24
; Sequence 24, Application US/10147502
; Publication No. US2003007722A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C326
; CURRENT APPLICATION NUMBER: US/10/147,502
; CURRENT FILING DATE: 2002-05-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-502-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTEREGSRLTSLCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLIALISCC 60
DB 1 MDDSTEREGSRLTSLCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLIALISCC 60
QY 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTOCLOLIADSEPTIOKSYTFVPMILSFKGSALEB 180
DB 121 GEGNSQNSRNKRAVQGPETVTOCLOLIADSEPTIOKSYTFVPMILSFKGSALEB 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKAVHFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKAVHFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 84
US-10-147-515-24
; Sequence 24, Application US/10147515
; Publication No. US2003007722A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C342
CURRENT APPLICATION NUMBER: US/10/147,515
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-515-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSSQNSRNKRAVOGPEETVTDCLQILADSEPTTIQKSYTFVFWLLSPKSGSALAE 180
DB 121 GEGNSSQNSRNKRAVOGPEETVTDCLQILADSEPTTIQKSYTFVFWLLSPKSGSALAE 180
QY 181 KENKILVETGYFFIYGVYLYTDKTYAMGHLQKRVHVFEDSLVTLFRCIQMPETL 240
DB 181 KENKILVETGYFFIYGVYLYTDKTYAMGHLQKRVHVFEDSLVTLFRCIQMPETL 240
QY 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKLL 285

RESULT 85
US-10-147-517-24
Sequence 24, Application US/10147517
Publication No. US2003007726A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C337
CURRENT APPLICATION NUMBER: US/10/147,517
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-517-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSSQNSRNKRAVOGPEETVTDCLQILADSEPTTIQKSYTFVFWLLSPKSGSALAE 180
DB 121 GEGNSSQNSRNKRAVOGPEETVTDCLQILADSEPTTIQKSYTFVFWLLSPKSGSALAE 180
QY 181 KENKILVETGYFFIYGVYLYTDKTYAMGHLQKRVHVFEDSLVTLFRCIQMPETL 240
DB 181 KENKILVETGYFFIYGVYLYTDKTYAMGHLQKRVHVFEDSLVTLFRCIQMPETL 240
QY 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKLL 285

RESULT 86
US-10-147-526-24
Sequence 24, Application US/10147526
Publication No. US2003007727A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C343
CURRENT APPLICATION NUMBER: US/10/147,526
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-526-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYVAALQDGLASLRAELQGHHAEXLPAAGAPKAGLEBPAPVATGKIFEPAP 120
DB 61 LTVVSFYVAALQDGLASLRAELQGHHAEXLPAAGAPKAGLEBPAPVATGKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLISFKGSALBE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLISFKGSALBE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHFGDELSTVTLFRCIQNPBETL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHFGDELSTVTLFRCIQNPBETL 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 87

US-10-147-527-24

Sequence 24, Application US/10147527
Publication No. US2003007728A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330RIG353
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-527-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYVAALQDGLASLRAELQGHHAEXLPAAGAPKAGLEBPAPVATGKIFEPAP 120
DB 61 LTVVSFYVAALQDGLASLRAELQGHHAEXLPAAGAPKAGLEBPAPVATGKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLISFKGSALBE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLISFKGSALBE 180

DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLISFKGSALBE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHFGDELSTVTLFRCIQNPBETL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHFGDELSTVTLFRCIQNPBETL 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 88

US-10-121-041-24

Sequence 24, Application US/10121041
Publication No. US2003007776A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330RIG3
CURRENT FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-041-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYVAALQDGLASLRAELQGHHAEXLPAAGAPKAGLEBPAPVATGKIFEPAP 120
DB 61 LTVVSFYVAALQDGLASLRAELQGHHAEXLPAAGAPKAGLEBPAPVATGKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLISFKGSALBE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLISFKGSALBE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHFGDELSTVTLFRCIQNPBETL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHFGDELSTVTLFRCIQNPBETL 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 89

US-10-121-043-24
Sequence 24, Application US/10121043
Publication No. US2003007777A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C15
CURRENT APPLICATION NUMBER: US/10/121,043
PRIORITY FILING DATE: 2002-04-12
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-043-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQSRITSLCKREEMKLEKCVSILPRKESPSVRSSKDGKLAATLLALLSCC 60
DB 1 MDSTEREQSRITSLCKREEMKLEKCVSILPRKESPSVRSSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQDGLASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGIKTFEPAP 120
DB 61 LTVVSFYQVAALQDGLASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGIKTFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGEETVTODCLOLIADSEPTTIQKSGYTFVPMILSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTODCLOLIADSEPTTIQKSGYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKXVHFGDELSTVTLFRCIONMPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKXVHFGDELSTVTLFRCIONMPETL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
RESULT 90
US-10-121-047-24
Sequence 24, Application US/10121047
Publication No. US2003007777A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
US-10-121-043-24

APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C4
CURRENT APPLICATION NUMBER: US/10/121,047
PRIORITY FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-047-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQSRITSLCKREEMKLEKCVSILPRKESPSVRSSKDGKLAATLLALLSCC 60
DB 1 MDSTEREQSRITSLCKREEMKLEKCVSILPRKESPSVRSSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQDGLASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGIKTFEPAP 120
DB 61 LTVVSFYQVAALQDGLASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGIKTFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGEETVTODCLOLIADSEPTTIQKSGYTFVPMILSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTODCLOLIADSEPTTIQKSGYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKXVHFGDELSTVTLFRCIONMPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKXVHFGDELSTVTLFRCIONMPETL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
RESULT 91
US-10-123-215-24
Sequence 24, Application US/10123215
Publication No. US20030077780A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C41
CURRENT APPLICATION NUMBER: US/10/123,215
PRIORITY FILING DATE: 2002-04-15

Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-123-215-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALLSCC 60
 DB 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALLSCC 60
 QY 61 LTVVSFYQVAALQGLDLSLRAELQGHNAEKLPAAGAPKAGLEBAPAVTAGLTFEPPAP 120
 DB 61 LTVVSFYQVAALQGLDLSLRAELQGHNAEKLPAAGAPKAGLEBAPAVTAGLTFEPPAP 120
 QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKSYTFVFWLLSFKGSALAE 180
 DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKSYTFVFWLLSFKGSALAE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXHVFGDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXHVFGDELSTVTLFRCIQNMPELT 240
 QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKLL 285
 DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKLL 285

RESULT 92
 US-10-123-902-24
 Sequence 24, Application US/10123902
 Publication No. US2003007781A1

GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C47
 CURRENT APPLICATION NUMBER: US/10/123,902
 PRIOR FILING DATE: 2002-04-16
 PRIOR APPLICATION removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-123-902-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALLSCC 60

DB 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALLSCC 60
 QY 61 LTVVSFYQVAALQGLDLSLRAELQGHNAEKLPAAGAPKAGLEBAPAVTAGLTFEPPAP 120
 DB 61 LTVVSFYQVAALQGLDLSLRAELQGHNAEKLPAAGAPKAGLEBAPAVTAGLTFEPPAP 120
 QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKSYTFVFWLLSFKGSALAE 180
 DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKSYTFVFWLLSFKGSALAE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXHVFGDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXHVFGDELSTVTLFRCIQNMPELT 240
 QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKLL 285
 DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKLL 285

RESULT 93
 US-10-123-908-24

Sequence 24, Application US/10123908
 Publication No. US2003007782A1

GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C44
 CURRENT APPLICATION NUMBER: US/10/123,908
 PRIOR FILING DATE: 2002-04-16
 PRIOR APPLICATION removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-123-908-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALLSCC 60
 DB 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALLSCC 60
 QY 61 LTVVSFYQVAALQGLDLSLRAELQGHNAEKLPAAGAPKAGLEBAPAVTAGLTFEPPAP 120
 DB 61 LTVVSFYQVAALQGLDLSLRAELQGHNAEKLPAAGAPKAGLEBAPAVTAGLTFEPPAP 120
 QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKSYTFVFWLLSFKGSALAE 180
 DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTIOKSYTFVFWLLSFKGSALAE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXHVFGDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXHVFGDELSTVTLFRCIQNMPELT 240

Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 94
US-10-123-909-24
; Sequence 24, Application US/10123909
; Publication No. US20030077783A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C45
; CURRENT APPLICATION NUMBER: US/10/123,909
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-909-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
Db 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAELKPAAGAPKAGLEAPAVTAGLTFEPPAP 120
Db 61 LTVVSFYQVAALQGDILASLRAELQGHHAELKPAAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSSQNSRKRKRAVQGEETVTDCLQILADSEPTTIQKSYTFVPMILSFKGSALAE 180
Db 121 GEGNSSQNSRKRKRAVQGEETVTDCLQILADSEPTTIQKSYTFVPMILSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 95
US-10-123-910-24
; Sequence 24, Application US/10123910
; Publication No. US20030077784A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C45
CURRENT APPLICATION NUMBER: US/10/123,910
CURRENT FILING DATE: 2002-04-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-910-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
Db 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAELKPAAGAPKAGLEAPAVTAGLTFEPPAP 120
Db 61 LTVVSFYQVAALQGDILASLRAELQGHHAELKPAAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSSQNSRKRKRAVQGEETVTDCLQILADSEPTTIQKSYTFVPMILSFKGSALAE 180
Db 121 GEGNSSQNSRKRKRAVQGEETVTDCLQILADSEPTTIQKSYTFVPMILSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 96
US-10-124-813-24
; Sequence 24, Application US/10124813
; Publication No. US20030077785A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C67
CURRENT APPLICATION NUMBER: US/10/124, 813
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-813-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVFWLLSFKGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVFWLLSFKGSALEE 180

QY 181 KENKILVETGYFFLYQGVLYTDKTYAMGHILQKKYHVFDELSLVTLFRCLQNMPELT 240
DB 181 KENKILVETGYFFLYQGVLYTDKTYAMGHILQKKYHVFDELSLVTLFRCLQNMPELT 240

QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 97
US-10-124-817-24
Sequence 24, Application US/10124817
Publication No. US2003007786A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C67
CURRENT APPLICATION NUMBER: US/10/124, 817
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT

ORGANISM: Homo Sapien
US-10-124-817-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVFWLLSFKGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVFWLLSFKGSALEE 180

QY 181 KENKILVETGYFFLYQGVLYTDKTYAMGHILQKKYHVFDELSLVTLFRCLQNMPELT 240
DB 181 KENKILVETGYFFLYQGVLYTDKTYAMGHILQKKYHVFDELSLVTLFRCLQNMPELT 240

QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 98
US-10-125-922-24
Sequence 24, Application US/10125922
Publication No. US2003007787A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C73
CURRENT APPLICATION NUMBER: US/10/125, 922
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-922-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

Wed Aug 25 15:26:11 2004

us-09-911-777b-1.rapb

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Db 61 LTVSFYQVAAALQGDILASRAELQGHHAELPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGPPEETVODCLQIADSEPTIIOKGSYTFVPMILSFKRGSALE 180
Db 121 GEGNSQNSRNRKRAVQGPPEETVODCLQIADSEPTIIOKGSYTFVPMILSFKRGSALE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISVTLFRCIQNMPEPTL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 99
US-10-125-924-24
/ Sequence 24, Application US/10125924
/ Publication No. US2003007788A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Goddard, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tamas, Daniel
/ APPLICANT: Tamas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P330R1C75
/ CURRENT APPLICATION NUMBER: US/10/125,924
/ CURRENT FILING DATE: 2002-04-19
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-125-924-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCLEKREEMKLEKCVSILPRKESPSVRSXKDGKLAATLLALLSSCC 60
Db 1 MDDSTEREOSRLTSCLEKREEMKLEKCVSILPRKESPSVRSXKDGKLAATLLALLSSCC 60
QY 61 LTVSFYQVAAALQGDILASRAELQGHHAELPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVSFYQVAAALQGDILASRAELQGHHAELPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGPPEETVODCLQIADSEPTIIOKGSYTFVPMILSFKRGSALE 180
Db 121 GEGNSQNSRNRKRAVQGPPEETVODCLQIADSEPTIIOKGSYTFVPMILSFKRGSALE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISVTLFRCIQNMPEPTL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
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RESULT 100
US-10-140-860-24
/ Sequence 24, Application US/10140860
/ Publication No. US2003007789A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Goddard, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tamas, Daniel
/ APPLICANT: Tamas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P330R1C189
/ CURRENT APPLICATION NUMBER: US/10/140,860
/ CURRENT FILING DATE: 2002-05-07
/ Prior Application removed - See File Wrapper
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-140-860-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCLEKREEMKLEKCVSILPRKESPSVRSXKDGKLAATLLALLSSCC 60
Db 1 MDDSTEREOSRLTSCLEKREEMKLEKCVSILPRKESPSVRSXKDGKLAATLLALLSSCC 60
QY 61 LTVSFYQVAAALQGDILASRAELQGHHAELPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVSFYQVAAALQGDILASRAELQGHHAELPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGPPEETVODCLQIADSEPTIIOKGSYTFVPMILSFKRGSALE 180
Db 121 GEGNSQNSRNRKRAVQGPPEETVODCLQIADSEPTIIOKGSYTFVPMILSFKRGSALE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISVTLFRCIQNMPEPTL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 101
US-10-142-417-24
/ Sequence 24, Application US/10142417
/ Publication No. US2003007790A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gao, Wei-Qiang
```

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; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C346
; CURRENT APPLICATION NUMBER: US/10/147,519
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-147-519-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREQRLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSQNSRNKRAVQGEETVTQDCLQIADSETPTIQGSYTFVFWMLSPKSGALAE 180
DB 121 GEGNSQNSRNKRAVQGEETVTQDCLQIADSETPTIQGSYTFVFWMLSPKSGALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRYHVFGDELSTVTLFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRYHVFGDELSTVTLFRCIQNMPEYL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKL 285

RESULT 102
US-10-147-519-24
; Sequence 24, Application US/10147519
; Publication No. US2003007791A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
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; FILE REFERENCE: P330R1C346
; CURRENT APPLICATION NUMBER: US/10/147,519
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-147-519-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREQRLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSQNSRNKRAVQGEETVTQDCLQIADSETPTIQGSYTFVFWMLSPKSGALAE 180
DB 121 GEGNSQNSRNKRAVQGEETVTQDCLQIADSETPTIQGSYTFVFWMLSPKSGALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRYHVFGDELSTVTLFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRYHVFGDELSTVTLFRCIQNMPEYL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKL 285

RESULT 103
US-10-157-782-24
; Sequence 24, Application US/10157782
; Publication No. US2003007792A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C431
; CURRENT APPLICATION NUMBER: US/10/157,782
; CURRENT FILING DATE: 2002-05-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-157-782-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
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Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLIATLILALSSCC 60

DB 1 MDDSTEREOSRLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLIATLILALSSCC 60

QY 61 LTVVSYFYQVAALQGDILASIRAELOGHHAETKLPAGAGAPKAGLEAPAVTAGIKTIFPPAP 120

DB 61 LTVVSYFYQVAALQGDILASIRAELOGHHAETKLPAGAGAPKAGLEAPAVTAGIKTIFPPAP 120

QY 121 GEGNSQNSRNKRAVOGPEETVODCLQIADSEPTIOKGSYTFVPMILSFKGSALE 180

DB 121 GEGNSQNSRNKRAVOGPEETVODCLQIADSEPTIOKGSYTFVPMILSFKGSALE 180

QY 181 KENKILVETGYFYFYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240

DB 181 KENKILVETGYFYFYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDTFFGALKL 285

DB 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDTFFGALKL 285

RESULT 104

US-10-152-395-24

Sequence 24, Application US/10152395

Publication No. US20030078377A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: DeForge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3330R1C405

CURRENT APPLICATION NUMBER: US/10/152,395

CURRENT FILING DATE: 2002-05-21

Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 24

LENGTH: 285

TYPE: PRT

ORGANISM: Homo Sapien

US-10-152-395-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3,2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLIATLILALSSCC 60

DB 1 MDDSTEREOSRLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLIATLILALSSCC 60

QY 61 LTVVSYFYQVAALQGDILASIRAELOGHHAETKLPAGAGAPKAGLEAPAVTAGIKTIFPPAP 120

DB 61 LTVVSYFYQVAALQGDILASIRAELOGHHAETKLPAGAGAPKAGLEAPAVTAGIKTIFPPAP 120

QY 121 GEGNSQNSRNKRAVOGPEETVODCLQIADSEPTIOKGSYTFVPMILSFKGSALE 180

DB 121 GEGNSQNSRNKRAVOGPEETVODCLQIADSEPTIOKGSYTFVPMILSFKGSALE 180

QY 181 KENKILVETGYFYFYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240

DB 181 KENKILVETGYFYFYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDTFFGALKL 285

DB 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDTFFGALKL 285

RESULT 105

US-10-125-926A-24

Sequence 24, Application US/10125926A

Publication No. US20030082686A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: DeForge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3330R1C80

CURRENT APPLICATION NUMBER: US/10/125,926A

CURRENT FILING DATE: 2002-10-15

Prior Application Number: 60/049911

Prior Filing Date: 1997-06-18

Prior Application Number: 60/056974

Prior Filing Date: 1997-08-26

Prior Application Number: 60/059113

Prior Filing Date: 1997-09-17

Prior Application Number: 60/059115

Prior Filing Date: 1997-09-17

Prior Application Number: 60/059117

Prior Filing Date: 1997-09-17

Prior Application Number: 60/059122

Prior Filing Date: 1997-09-17

Prior Application Number: 60/059184

Prior Filing Date: 1997-09-17

Prior Application Number: 60/059263

Prior Filing Date: 1997-09-18

Prior Application Number: 60/059352

Prior Filing Date: 1997-09-19

Prior Application Number: 60/059388

Prior Filing Date: 1997-09-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 24

LENGTH: 285

TYPE: PRT

ORGANISM: Homo Sapien

US-10-125-926A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3,2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLIATLILALSSCC 60

DB 1 MDDSTEREOSRLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLIATLILALSSCC 60

QY 61 LTVVSFYVAALQGLDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYVAALQGLDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSNRKRAVQGEETVTQDCLQIADSETPTIQKSYTFVPMILSPKRSALAE 180
Db 121 GEGNSSQNSNRKRAVQGEETVTQDCLQIADSETPTIQKSYTFVPMILSPKRSALAE 180
QY 181 KENKILVETGYFFTYGQVLYTDKTYAMGHLIQKXKVVHVGDELSTVTLFRCIQNNPETL 240
Db 181 KENKILVETGYFFTYGQVLYTDKTYAMGHLIQKXKVVHVGDELSTVTLFRCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTVFPGALKL 285
Db 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTVFPGALKL 285
RESULT 106
US-10-125-930A-24
; Sequence 24, Application US/10125930A
; Publication No. US20030082687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tumanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C78
; CURRENT APPLICATION NUMBER: US/10/125,930A
; CURRENT FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-125-930A-24
Query Match 100.0%, Score 1451, DB 14, Length 285;

Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTERQSLTSCCLKREEMKKECVSILPRKSSVSSKDGKLLAATLIALISCC 60
Db 1 MDDSTERQSLTSCCLKREEMKKECVSILPRKSSVSSKDGKLLAATLIALISCC 60
QY 61 LTVVSFYVAALQGLDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYVAALQGLDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSNRKRAVQGEETVTQDCLQIADSETPTIQKSYTFVPMILSPKRSALAE 180
Db 121 GEGNSSQNSNRKRAVQGEETVTQDCLQIADSETPTIQKSYTFVPMILSPKRSALAE 180
QY 181 KENKILVETGYFFTYGQVLYTDKTYAMGHLIQKXKVVHVGDELSTVTLFRCIQNNPETL 240
Db 181 KENKILVETGYFFTYGQVLYTDKTYAMGHLIQKXKVVHVGDELSTVTLFRCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTVFPGALKL 285
Db 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTVFPGALKL 285
RESULT 107
US-10-127-831A-24
; Sequence 24, Application US/10127831A
; Publication No. US20030082689A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tumanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C107
; CURRENT APPLICATION NUMBER: US/10/127,831A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550

SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-831A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKRREEMKLEKCVSILPKRESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQRSLTSCIKRREEMKLEKCVSILPKRESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRRLQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRRLQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRKRRAVQGPPEETVTDCLQIADSEPTIQGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSQNSRKRRAVQGPPEETVTDCLQIADSEPTIQGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 108

US-10-127-837A-24
Sequence 24, Application US/10127837A
Publication No. US20030082690A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C96
CURRENT APPLICATION NUMBER: US/10/127, 837A
CURRENT FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-837A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKRREEMKLEKCVSILPKRESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQRSLTSCIKRREEMKLEKCVSILPKRESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRRLQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRRLQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRKRRAVQGPPEETVTDCLQIADSEPTIQGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSQNSRKRRAVQGPPEETVTDCLQIADSEPTIQGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 109

US-10-127-838B-24
Sequence 24, Application US/10127838B
Publication No. US20030082691A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C98
CURRENT APPLICATION NUMBER: US/10/127, 838B
CURRENT FILING DATE: 2002-04-22
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-838B-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPVSSKDGKLAATLLIALISCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPVSSKDGKLAATLLIALISCC 60
QY 61 LTVSFFVVALQGDLSLRBELQGHAEKLPAGAGAPKGLBEPAPVTAAGLKIFPPAP 120
DB 61 LTVSFFVVALQGDLSLRBELQGHAEKLPAGAGAPKGLBEPAPVTAAGLKIFPPAP 120
QY 121 GEGNSSQNRKRAVQGEETVTQDCLQADSETPTIQGSYTFVPMLLSPKGSALAE 180
DB 121 GEGNSSQNRKRAVQGEETVTQDCLQADSETPTIQGSYTFVPMLLSPKGSALAE 180
QY 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLQKRVHVGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLQKRVHVGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTVFFGALKL 285

RESULT 110
US-10-127-842A-24

Sequence 24, Application US/10127842A
Publication No. US20030082692A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333081C100
CURRENT APPLICATION NUMBER: US/10/127,842A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911

PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-842A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPVSSKDGKLAATLLIALISCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPVSSKDGKLAATLLIALISCC 60
QY 61 LTVSFFVVALQGDLSLRBELQGHAEKLPAGAGAPKGLBEPAPVTAAGLKIFPPAP 120
DB 61 LTVSFFVVALQGDLSLRBELQGHAEKLPAGAGAPKGLBEPAPVTAAGLKIFPPAP 120
QY 121 GEGNSSQNRKRAVQGEETVTQDCLQADSETPTIQGSYTFVPMLLSPKGSALAE 180
DB 121 GEGNSSQNRKRAVQGEETVTQDCLQADSETPTIQGSYTFVPMLLSPKGSALAE 180
QY 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLQKRVHVGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLQKRVHVGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTVFFGALKL 285

RESULT 111

US-10-127-843A-24
Sequence 24, Application US/10127843A
Publication No. US20030082693A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William


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/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C93
/ CURRENT APPLICATION NUMBER: US/10/127,843A
/ CURRENT FILING DATE: 2002-04-22
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-127-843A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCLEKREEMKKECVSILPRKESPSVRSXDGKLAATLLIALISCC 60
DB 1 MDDSTEREQRSLTSCLEKREEMKKECVSILPRKESPSVRSXDGKLAATLLIALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAELKLPAGAGAPKAGLEBAPVATGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHHAELKLPAGAGAPKAGLEBAPVATGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPPEETVTDCLQLIADSEPTTIQKGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSQNSRNKRAVQGPPEETVTDCLQLIADSEPTTIQKGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELISVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELISVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 112
US-10-127-845A-24
/ Sequence 24, Application US/10127845A
/ Publication No. US20030082694A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desrochers, Luc
/ APPLICANT: Filvaroli, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Geritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.

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/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C93
/ CURRENT APPLICATION NUMBER: US/10/127,845A
/ CURRENT FILING DATE: 2002-10-15
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-127-845A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCLEKREEMKKECVSILPRKESPSVRSXDGKLAATLLIALISCC 60
DB 1 MDDSTEREQRSLTSCLEKREEMKKECVSILPRKESPSVRSXDGKLAATLLIALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAELKLPAGAGAPKAGLEBAPVATGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHHAELKLPAGAGAPKAGLEBAPVATGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPPEETVTDCLQLIADSEPTTIQKGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSQNSRNKRAVQGPPEETVTDCLQLIADSEPTTIQKGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELISVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELISVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 113
US-10-127-846A-24
/ Sequence 24, Application US/10127846A
/ Publication No. US20030082695A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen

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APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geriltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C94
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-846A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCLEKREEMKKECVSILPRKESPSVSSKQKLLAATLILALSSCC 60
DB 1 MDDSTEREQRSLTSCLEKREEMKKECVSILPRKESPSVSSKQKLLAATLILALSSCC 60
QY 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRKRRAVQGEETVTDCLQILADSEPTTIQKGSYTFVFWILSFKRGSALAE 180
DB 121 GEGNSQNSRKRRAVQGEETVTDCLQILADSEPTTIQKGSYTFVFWILSFKRGSALAE 180
QY 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQKRYVFGDELSTVTLFRCLQNMPEYL 240
DB 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQKRYVFGDELSTVTLFRCLQNMPEYL 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTVFEGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTVFEGALKL 285

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RESULT 114
US-10-127-848A-24
Sequence 24, Application US/10127848A
Publication No. US20030082696A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geriltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C106
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-848A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCLEKREEMKKECVSILPRKESPSVSSKQKLLAATLILALSSCC 60
DB 1 MDDSTEREQRSLTSCLEKREEMKKECVSILPRKESPSVSSKQKLLAATLILALSSCC 60
QY 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRKRRAVQGEETVTDCLQILADSEPTTIQKGSYTFVFWILSFKRGSALAE 180
DB 121 GEGNSQNSRKRRAVQGEETVTDCLQILADSEPTTIQKGSYTFVFWILSFKRGSALAE 180
QY 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQKRYVFGDELSTVTLFRCLQNMPEYL 240
DB 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQKRYVFGDELSTVTLFRCLQNMPEYL 240

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Db 181 KENKILVETGYFFIYGVLYTDKTYAMGHILQKXVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 115

US-10-127-849A-24
Sequence 24, Application US/10127849A
Publication No. US20030082697A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C103
CURRENT APPLICATION NUMBER: US/10/127,849A
PRIOR FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-849A-24

US-10-127-849A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCIKRREEMKLCVSIIPRKESPSVRSKDGKLAATLLAALSCC 60

Db 1 MDDSTEREOSRLTSCIKRREEMKLCVSIIPRKESPSVRSKDGKLAATLLAALSCC 60

QY 61 LTVVFYQVAAALQGLASIRARLQGHAEKLPAGAGAKAGLGEFAPATYAGLKTFFPPAP 120
Db 61 LTVVFYQVAAALQGLASIRARLQGHAEKLPAGAGAKAGLGEFAPATYAGLKTFFPPAP 120

QY 121 GEGNSONSNNKRAVQGEETVTQDCLQIADSEPTTIQKSYTFVPMILSFKRSALAE 180

Db 121 GEGNSONSNNKRAVQGEETVTQDCLQIADSEPTTIQKSYTFVPMILSFKRSALAE 180

QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHILQKXVHVFGEDELSTVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGVLYTDKTYAMGHILQKXVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 116

US-10-127-850A-24
Sequence 24, Application US/10127850A
Publication No. US20030082698A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C110
CURRENT APPLICATION NUMBER: US/10/127,850A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-850A-24

QY 1 MDDSTEREOSRLTSCIKRREEMKLCVSIIPRKESPSVRSKDGKLAATLLAALSCC 60

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCIKKEEMKKECVSILPRKSPSVRSSKDGKLLAATLLALLSSCC 60
DB 1 MDSTEREQSLTSCIKKEEMKKECVSILPRKSPSVRSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSNRKRAVQGPPEETVTDCLQLIADSEPTIQQSGYTFVPMILSFRRGSALBE 180
DB 121 GEGNSSQNSNRKRAVQGPPEETVTDCLQLIADSEPTIQQSGYTFVPMILSFRRGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
RESULT 117
US-10-127-851A-24
; Sequence 24, Application US/10127851A
; Publication No. US20030082699A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C87
; CURRENT APPLICATION NUMBER: US/10/127,851A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT

; ORGANISM: Homo Sapien
US-10-127-851A-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQSLTSCIKKEEMKKECVSILPRKSPSVRSSKDGKLLAATLLALLSSCC 60
DB 1 MDSTEREQSLTSCIKKEEMKKECVSILPRKSPSVRSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSNRKRAVQGPPEETVTDCLQLIADSEPTIQQSGYTFVPMILSFRRGSALBE 180
DB 121 GEGNSSQNSNRKRAVQGPPEETVTDCLQLIADSEPTIQQSGYTFVPMILSFRRGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
RESULT 118
US-10-128-684A-24
; Sequence 24, Application US/10128684A
; Publication No. US20030082700A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C118
; CURRENT APPLICATION NUMBER: US/10/128,684A
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19

PRIOR APPLICATION NUMBER: 60/059588
 PRIOR FILING DATE: 1997-09-19
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-128-684a-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPRKESPSVSSKDKLILATLILALSSCC 60
 DB 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPRKESPSVSSKDKLILATLILALSSCC 60
 QY 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120
 DB 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120
 QY 121 GEGNSSQNSRKRKRAVQGPPEETVTDCLQILADSEPTIIOGKSYTFVFWMLSPKSGSALAE 180
 DB 121 GEGNSSQNSRKRKRAVQGPPEETVTDCLQILADSEPTIIOGKSYTFVFWMLSPKSGSALAE 180
 QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
 QY 241 PNNCSAGIAKLEBDELQALIPRENAQISLDGDTFFGALKL 285
 DB 241 PNNCSAGIAKLEBDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 119

US-10-128-686a-24
 Sequence 24, Application US/10128686a
 Publication No. US20030082701a1
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Goddard, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Matanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C119
 CURRENT APPLICATION NUMBER: US/10/128, 686a
 CURRENT FILING DATE: 2002-04-23
 PRIOR APPLICATION NUMBER: 60/049911
 PRIOR FILING DATE: 1997-06-18
 PRIOR APPLICATION NUMBER: 60/056974
 PRIOR FILING DATE: 1997-08-26
 PRIOR APPLICATION NUMBER: 60/059113
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059115
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059117
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059122

PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059184
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059263
 PRIOR FILING DATE: 1997-09-18
 PRIOR APPLICATION NUMBER: 60/059352
 PRIOR FILING DATE: 1997-09-19
 PRIOR APPLICATION NUMBER: 60/059588
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-128-686a-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPRKESPSVSSKDKLILATLILALSSCC 60
 DB 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPRKESPSVSSKDKLILATLILALSSCC 60
 QY 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120
 DB 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120
 QY 121 GEGNSSQNSRKRKRAVQGPPEETVTDCLQILADSEPTIIOGKSYTFVFWMLSPKSGSALAE 180
 DB 121 GEGNSSQNSRKRKRAVQGPPEETVTDCLQILADSEPTIIOGKSYTFVFWMLSPKSGSALAE 180
 QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
 QY 241 PNNCSAGIAKLEBDELQALIPRENAQISLDGDTFFGALKL 285
 DB 241 PNNCSAGIAKLEBDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 120

US-10-128-690a-24
 Sequence 24, Application US/10128690a
 Publication No. US20030082702a1
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Goddard, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Matanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C122
 CURRENT APPLICATION NUMBER: US/10/128, 690a
 CURRENT FILING DATE: 2002-04-23
 PRIOR APPLICATION NUMBER: 60/049911
 PRIOR FILING DATE: 1997-06-18
 PRIOR APPLICATION NUMBER: 60/056974
 PRIOR FILING DATE: 1997-08-26

```

; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-128-690A-24

```

```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPVSSXGKLLAATLLIALISCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPVSSXGKLLAATLLIALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIFPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIFPPAP 120
QY 121 GEGNSONSRRKRAVQGEETVTDCLQIADSEPTIQQSYTFVPMILSPKGSALAE 180
DB 121 GEGNSONSRRKRAVQGEETVTDCLQIADSEPTIQQSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNPETL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNPETL 240
QY 241 PNNSCYSAGIAKLEBDELQAIIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQAIIPRENAQISLDGDTVFFGALKL 285

```

RESULT 121

US-10-128-691A-24

Sequence 24, Application US/10128691A

Publication No. US20030082703A1

GENERAL INFORMATION:

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; APPLICANT: Remaining Prior Application data removed - See file wrapper or PALM.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; ACIDS ENCODING THE SAME

```

```

; FILE REFERENCE: P330R1C123
; CURRENT APPLICATION NUMBER: US/10/128, 691A
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-128-691A-24

```

```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPVSSXGKLLAATLLIALISCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPVSSXGKLLAATLLIALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIFPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIFPPAP 120
QY 121 GEGNSONSRRKRAVQGEETVTDCLQIADSEPTIQQSYTFVPMILSPKGSALAE 180
DB 121 GEGNSONSRRKRAVQGEETVTDCLQIADSEPTIQQSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNPETL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNPETL 240
QY 241 PNNSCYSAGIAKLEBDELQAIIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQAIIPRENAQISLDGDTVFFGALKL 285

```

RESULT 122

US-10-131-819A-24

Sequence 24, Application US/10131819A

Publication No. US20030082704A1

GENERAL INFORMATION:

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria

```

```

/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Matanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C134
/ CURRENT APPLICATION NUMBER: US/10/131,819A
/ PRIOR FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/ US-10-131-819A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

/ 1 MDDSTEREQSRILTSCLKREEMKLEKCVSILPRKSPSVSSSDGKLLATLLALISCC 60
/ 1 MDDSTEREQSRILTSCLKREEMKLEKCVSILPRKSPSVSSSDGKLLATLLALISCC 60
/ 1 MDDSTEREQSRILTSCLKREEMKLEKCVSILPRKSPSVSSSDGKLLATLLALISCC 60

QY 61 LTVVSFYQVAALQGLDASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGLKITEPPAP 120
DB 61 LTVVSFYQVAALQGLDASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGLKITEPPAP 120
QY 121 GEGNSSQNSRNRAVQGPETVTDCLQIADSEPTTIQSGSYTFVPMILSPFRGSALAE 180
DB 121 GEGNSSQNSRNRAVQGPETVTDCLQIADSEPTTIQSGSYTFVPMILSPFRGSALAE 180
QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKKVHVGDELSLVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKKVHVGDELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 123
US-10-131-829A-24
/ Sequence 24, Application US/10131829A
/ Publication No. US20030082705A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeFoire, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvarcoff, Ellen

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/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Matanabe, Colin K
/ APPLICANT: Wood, William
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C138
/ CURRENT APPLICATION NUMBER: US/10/131,829A
/ PRIOR FILING DATE: 2002-04-27
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/ US-10-131-829A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

/ 1 MDDSTEREQSRILTSCLKREEMKLEKCVSILPRKSPSVSSSDGKLLATLLALISCC 60
/ 1 MDDSTEREQSRILTSCLKREEMKLEKCVSILPRKSPSVSSSDGKLLATLLALISCC 60
/ 1 MDDSTEREQSRILTSCLKREEMKLEKCVSILPRKSPSVSSSDGKLLATLLALISCC 60

QY 61 LTVVSFYQVAALQGLDASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGLKITEPPAP 120
DB 61 LTVVSFYQVAALQGLDASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGLKITEPPAP 120
QY 121 GEGNSSQNSRNRAVQGPETVTDCLQIADSEPTTIQSGSYTFVPMILSPFRGSALAE 180
DB 121 GEGNSSQNSRNRAVQGPETVTDCLQIADSEPTTIQSGSYTFVPMILSPFRGSALAE 180
QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKKVHVGDELSLVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKKVHVGDELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 124
US-10-131-836A-24
/ Sequence 24, Application US/10131836A

```

Publication No. US20030082706A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gunney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C35
CURRENT APPLICATION NUMBER: US/10/131, 836A
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-836A-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;
Query 1 MDDSTEREQSLTSCCLKREMKLKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
Db 1 MDDSTEREQSLTSCCLKREMKLKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
Query 61 LTVVSFYQVVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYQVVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Query 121 GEGNSQSNRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVFWLISFKRGSALAE 180
Db 121 GEGNSQSNRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVFWLISFKRGSALAE 180
Query 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPETL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPETL 240
Query 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFPGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFPGALKL 285

Db 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFPGALKL 285
RESULT 125
US-10-146-729-24
Sequence 24, Application US/10146729
Publication No. US20030082708A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gunney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C318
CURRENT APPLICATION NUMBER: US/10/146, 729
PRIOR FILING DATE: 2002-05-15
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-729-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;
Query 1 MDDSTEREQSLTSCCLKREMKLKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
Db 1 MDDSTEREQSLTSCCLKREMKLKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
Query 61 LTVVSFYQVVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYQVVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Query 121 GEGNSQSNRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVFWLISFKRGSALAE 180
Db 121 GEGNSQSNRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVFWLISFKRGSALAE 180
Query 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPETL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPETL 240
Query 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFPGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFPGALKL 285
RESULT 126
US-10-146-791-24
Sequence 24, Application US/10146791
Publication No. US20030082709A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc

Query Match	100.0%;	Score 1451;	DB 14;	Length 285;
Best Local Similarity	100.0%;	Pred. No. 3.2e-139;		
Matches 285;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

RESULT 127
US-10-147-484-24

Sequence 24, Application US/2014/438792
Publication No. US20030082710A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Elvaricoff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Andrew
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Matarabab, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zhen

Query Match	100.0%;	Score 1451;	DB 14;	Length 285;
Best Local Similarity	100.0%;	Pred. No. 3.2e-139;		
Matches 285; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0

RESULT 128
US-10-147-508-24

```

Sequence 24, Application US/10147508
Publication No. US2003082711A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Denoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P9330RIC330
CURRENT APPLICATION NUMBER: US/10/147,508
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRP
ORGANISM: Homo Sapien
US-10-147-508-24

```

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCCLKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
 DB 1 MDDSTEREQRLTSCCLKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
 QY 61 LTVVSFYQVVALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVVALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALBE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALBE 180
 QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEYL 240
 DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEYL 240
 QY 241 PNNCSYAGIAKLEBDELQLAIPRENAQISLDGDVTFFGALKL 285
 DB 241 PNNCSYAGIAKLEBDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 129
 US-10-147-512-24
 ; Sequence 24, Application US/10147512
 ; Publication No. US20030082712A1
 ; GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: DeForge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Guiney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tamas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P330R1C332
 CURRENT APPLICATION NUMBER: US/10/147, 512
 CURRENT FILING DATE: 2002-05-16
 Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-147-512-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCCLKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
 DB 1 MDDSTEREQRLTSCCLKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
 QY 61 LTVVSFYQVVALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVVALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALBE 180

DB 121 GEGNSQNSRNRKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALBE 180
 QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEYL 240
 DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEYL 240
 QY 241 PNNCSYAGIAKLEBDELQLAIPRENAQISLDGDVTFFGALKL 285
 DB 241 PNNCSYAGIAKLEBDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 130
 US-10-175-735-24
 ; Sequence 24, Application US/10175735
 ; Publication No. US20030082715A1
 ; GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: DeForge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Guiney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tamas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P330R1C451
 CURRENT APPLICATION NUMBER: US/10/175, 735
 CURRENT FILING DATE: 2002-06-19
 Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-175-735-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCCLKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
 DB 1 MDDSTEREQRLTSCCLKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
 QY 61 LTVVSFYQVVALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVVALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALBE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALBE 180
 QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEYL 240
 DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEYL 240
 QY 241 PNNCSYAGIAKLEBDELQLAIPRENAQISLDGDVTFFGALKL 285
 DB 241 PNNCSYAGIAKLEBDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 131

```

US-10-121-040-24
; Sequence 24, Application US/10121040
; Publication No. US20030082759A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Tamas, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C7
; CURRENT APPLICATION NUMBER: US/10/121,040
; PRIOR APPLICATION: 2002-04-11
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-040-24

```

```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDSTREBQSRILTSCLKKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALISCC 60
DB 1 MDSTREBQSRILTSCLKKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALISCC 60
QY 61 LTVSIFYOVALQGDILASIRAELOGHAEKLPAGAGAPKAGLEBAPAVTAGKIFEEPPAP 120
DB 61 LTVSIFYOVALQGDILASIRAELOGHAEKLPAGAGAPKAGLEBAPAVTAGKIFEEPPAP 120
QY 121 GEQNSQNSRNKRAVQGEETVTDCLQIADSEPTTIQKSYTFVFWLISFKGSALEE 180
DB 121 GEQNSQNSRNKRAVQGEETVTDCLQIADSEPTTIQKSYTFVFWLISFKGSALEE 180
QY 181 KENKILVKEIGYFFIYGOVLYTDKTYAMGHILQKKVHVFGEDELISVTLFRICIONMPETL 240
DB 181 KENKILVKEIGYFFIYGOVLYTDKTYAMGHILQKKVHVFGEDELISVTLFRICIONMPETL 240
QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

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RESULT 132
US-10-121-056-24
; Sequence 24, Application US/10121056
; Publication No. US20030082760A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```

```

; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Tamas, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C25
; CURRENT APPLICATION NUMBER: US/10/121,056
; PRIOR APPLICATION: 2002-04-12
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-056-24

```

```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MDSTREBQSRILTSCLKKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALISCC 60
DB 1 MDSTREBQSRILTSCLKKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALISCC 60
QY 61 LTVSIFYOVALQGDILASIRAELOGHAEKLPAGAGAPKAGLEBAPAVTAGKIFEEPPAP 120
DB 61 LTVSIFYOVALQGDILASIRAELOGHAEKLPAGAGAPKAGLEBAPAVTAGKIFEEPPAP 120
QY 121 GEQNSQNSRNKRAVQGEETVTDCLQIADSEPTTIQKSYTFVFWLISFKGSALEE 180
DB 121 GEQNSQNSRNKRAVQGEETVTDCLQIADSEPTTIQKSYTFVFWLISFKGSALEE 180
QY 181 KENKILVKEIGYFFIYGOVLYTDKTYAMGHILQKKVHVFGEDELISVTLFRICIONMPETL 240
DB 181 KENKILVKEIGYFFIYGOVLYTDKTYAMGHILQKKVHVFGEDELISVTLFRICIONMPETL 240
QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

```

```

RESULT 133
US-10-121-061-24
; Sequence 24, Application US/10121061
; Publication No. US20030082761A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Tamas, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C24
; CURRENT APPLICATION NUMBER: US/10/121,061
; CURRENT FILING DATE: 2002-04-12

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;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 24
;; LENGTH: 285
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-121-061-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKFEEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKFEEPPAP 120
QY 121 GEGNSQNSRNKRAVQGEETVTDCLQDLADSEPTIQQSYTFVFWMLSPKRSALAE 180
DB 121 GEGNSQNSRNKRAVQGEETVTDCLQDLADSEPTIQQSYTFVFWMLSPKRSALAE 180
QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 134

US-10-123-235-24
; Sequence 24, Application US/10123235
; Publication No. US20030082762A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C27
; CURRENT APPLICATION NUMBER: US/10/123,235
; PRIOR FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-235-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60

DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKFEEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKFEEPPAP 120
QY 121 GEGNSQNSRNKRAVQGEETVTDCLQDLADSEPTIQQSYTFVFWMLSPKRSALAE 180
DB 121 GEGNSQNSRNKRAVQGEETVTDCLQDLADSEPTIQQSYTFVFWMLSPKRSALAE 180
QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 135

US-10-124-818-24
; Sequence 24, Application US/10124818
; Publication No. US20030082763A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C62
; CURRENT APPLICATION NUMBER: US/10/124,818
; PRIOR FILING DATE: 2002-04-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-124-818-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKFEEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKFEEPPAP 120
QY 121 GEGNSQNSRNKRAVQGEETVTDCLQDLADSEPTIQQSYTFVFWMLSPKRSALAE 180
DB 121 GEGNSQNSRNKRAVQGEETVTDCLQDLADSEPTIQQSYTFVFWMLSPKRSALAE 180
QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240

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Page 67

Db 181 KENKILVETGTFYIGQVLYTDKTYAMGHLIORKKVVHVGDELSTVTLFRCLQNMPETL 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 136

US-10-137-868-24
; Sequence 24, Application US/10137868
; Publication No. US20030082764A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey E.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C152
; CURRENT APPLICATION NUMBER: US/10/137,868
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-137-868-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCIKKREEMTKECVSTLPKRESPSVRSSKDGKLAATLLALSSCC 60
Db 1 MDDSTEREQSLTSCIKKREEMTKECVSTLPKRESPSVRSSKDGKLAATLLALSSCC 60
QY 61 LTVVSFYQVAAALQGLDLSRAELQGHHAELPKAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYQVAAALQGLDLSRAELQGHHAELPKAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGEPEETVTDCLQIADSEPTIIOKSYTFVFWMLSPKGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGEPEETVTDCLQIADSEPTIIOKSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVETGTFYIGQVLYTDKTYAMGHLIORKKVVHVGDELSTVTLFRCLQNMPETL 240
Db 181 KENKILVETGTFYIGQVLYTDKTYAMGHLIORKKVVHVGDELSTVTLFRCLQNMPETL 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 137
US-10-147-492-24
; Sequence 24, Application US/10147492
; Publication No. US20030082765A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT:

; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey E.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C347
; CURRENT APPLICATION NUMBER: US/10/147,492
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-492-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCIKKREEMTKECVSTLPKRESPSVRSSKDGKLAATLLALSSCC 60
Db 1 MDDSTEREQSLTSCIKKREEMTKECVSTLPKRESPSVRSSKDGKLAATLLALSSCC 60
QY 61 LTVVSFYQVAAALQGLDLSRAELQGHHAELPKAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYQVAAALQGLDLSRAELQGHHAELPKAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGEPEETVTDCLQIADSEPTIIOKSYTFVFWMLSPKGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGEPEETVTDCLQIADSEPTIIOKSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVETGTFYIGQVLYTDKTYAMGHLIORKKVVHVGDELSTVTLFRCLQNMPETL 240
Db 181 KENKILVETGTFYIGQVLYTDKTYAMGHLIORKKVVHVGDELSTVTLFRCLQNMPETL 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 138
US-10-158-782-24
; Sequence 24, Application US/10158782
; Publication No. US20030082766A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey E.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel

```

; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C457
; CURRENT APPLICATION NUMBER: US/10/158,782
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-123-905-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRITSCIKKREEMKKECVSILPRKESPSVRSSKDGKILAAITLLALSSCC 60
Db 1 MDDSTEREQSRITSCIKKREEMKKECVSILPRKESPSVRSSKDGKILAAITLLALSSCC 60
QY 61 LTVSIFYVAALQGDLSLRALQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVSIFYVAALQGDLSLRALQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGEFETVTDCLQILDSEPTTIQKSYTFVFWMLSPKGSALBE 180
Db 121 GEGNSQNSRNKRAVQGEFETVTDCLQILDSEPTTIQKSYTFVFWMLSPKGSALBE 180
QY 121 GEGNSQNSRNKRAVQGEFETVTDCLQILDSEPTTIQKSYTFVFWMLSPKGSALBE 180
Db 121 GEGNSQNSRNKRAVQGEFETVTDCLQILDSEPTTIQKSYTFVFWMLSPKGSALBE 180
QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIOKKVHVFGEDELSTVTLPRCIQNPETL 240
Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIOKKVHVFGEDELSTVTLPRCIQNPETL 240
QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 139
US-10-123-905-24
; Sequence 24, Application US/10123905
; Publication No. US20030087344A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C48
; CURRENT APPLICATION NUMBER: US/10/123,905
; PRIOR FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
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; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-123-905-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRITSCIKKREEMKKECVSILPRKESPSVRSSKDGKILAAITLLALSSCC 60
Db 1 MDDSTEREQSRITSCIKKREEMKKECVSILPRKESPSVRSSKDGKILAAITLLALSSCC 60
QY 61 LTVSIFYVAALQGDLSLRALQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVSIFYVAALQGDLSLRALQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGEFETVTDCLQILDSEPTTIQKSYTFVFWMLSPKGSALBE 180
Db 121 GEGNSQNSRNKRAVQGEFETVTDCLQILDSEPTTIQKSYTFVFWMLSPKGSALBE 180
QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIOKKVHVFGEDELSTVTLPRCIQNPETL 240
Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIOKKVHVFGEDELSTVTLPRCIQNPETL 240
QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 140
US-10-123-907-24
; Sequence 24, Application US/10123907
; Publication No. US2003008745X1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C50
; CURRENT APPLICATION NUMBER: US/10/123,907
; PRIOR FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-123-907-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRITSCIKKREEMKKECVSILPRKESPSVRSSKDGKILAAITLLALSSCC 60
Db 1 MDDSTEREQSRITSCIKKREEMKKECVSILPRKESPSVRSSKDGKILAAITLLALSSCC 60
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Wed Aug 25 15:26:11 2004

us-09-911-777b-1.rapb

Page 69

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QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
QY 121 GEGNSSQNRKRAVQGPETVTDCLQILADSETPTIOGSGYTFVPMILSFRGSALAE 180
DB 121 GEGNSSQNRKRAVQGPETVTDCLQILADSETPTIOGSGYTFVPMILSFRGSALAE 180
QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSIVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSIVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDEQLALPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDEQLALPRENAQISLDGDTFFGALKL 285

RESULT 141
US-10-124-815-24
; Sequence 24, Application US/10124815
; Publication No. US20030087346A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C57
; CURRENT APPLICATION NUMBER: US/10/124, 815
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/059113
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-124-815-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTEREOSRLTSCCKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
DB 1 MDDSTEREOSRLTSCCKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
QY 121 GEGNSSQNRKRAVQGPETVTDCLQILADSETPTIOGSGYTFVPMILSFRGSALAE 180
DB 121 GEGNSSQNRKRAVQGPETVTDCLQILADSETPTIOGSGYTFVPMILSFRGSALAE 180
QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSIVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSIVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDEQLALPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDEQLALPRENAQISLDGDTFFGALKL 285
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DB 241 PNNSCYSAGIAKLEBDEQLALPRENAQISLDGDTFFGALKL 285

RESULT 142
US-10-125-921A-24
; Sequence 24, Application US/10125921A
; Publication No. US20030087347A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C76
; CURRENT APPLICATION NUMBER: US/10/125, 921A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059586
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PAM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-125-921A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTEREOSRLTSCCKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
DB 1 MDDSTEREOSRLTSCCKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
QY 121 GEGNSSQNRKRAVQGPETVTDCLQILADSETPTIOGSGYTFVPMILSFRGSALAE 180
DB 121 GEGNSSQNRKRAVQGPETVTDCLQILADSETPTIOGSGYTFVPMILSFRGSALAE 180
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Db 121 GEGNSQNSNRKRAVOGPEETVTDCLQIADSEPTIIOKSYTFVPMWLSFRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNNPETL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNNPETL 240
QY 241 PNNCSYAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285
RESULT 143
US-10-125-928A-24
; Sequence 24, Application US/10125928A
; Publication No. US2003087349A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Tatanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C77
; CURRENT APPLICATION NUMBER: US/10/125,928A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-125-928A-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREGSRITSCIKKREEMKKECVSILPKRESVSVSSXDGKLLAATLILALISCC 60
Db 1 MDSTEREGSRITSCIKKREEMKKECVSILPKRESVSVSSXDGKLLAATLILALISCC 60

QY 61 LTVVSFYQVAAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEDPAP 120
Db 61 LTVVSFYQVAAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEDPAP 120
QY 121 GEGNSQNSNRKRAVOGPEETVTDCLQIADSEPTIIOKSYTFVPMWLSFRGSALEE 180
Db 121 GEGNSQNSNRKRAVOGPEETVTDCLQIADSEPTIIOKSYTFVPMWLSFRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNNPETL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNNPETL 240
QY 241 PNNCSYAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285
RESULT 144
US-10-127-821A-24
; Sequence 24, Application US/10127821A
; Publication No. US2003087350A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Tatanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C92
; CURRENT APPLICATION NUMBER: US/10/127,821A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-821A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREOSRLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREOSRLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGPETVTDCLQILADSEPTTIQKGSYTFVPMILSPKRSALAE 180
DB 121 GEGNSQNSRNRKRAVQGPETVTDCLQILADSEPTTIQKGSYTFVPMILSPKRSALAE 180
QY 181 KENKILVKEITGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEITGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDTFFGALKL 285
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RESULT 145
US-10-127-822A-24

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/ Sequence 24, Application US/10127822A
/ Publication No. US20030087351A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C91
/ CURRENT APPLICATION NUMBER: US/10/127,822A
/ PRIOR FILING DATE: 2002-10-15
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
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/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-127-822A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREOSRLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREOSRLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGPETVTDCLQILADSEPTTIQKGSYTFVPMILSPKRSALAE 180
DB 121 GEGNSQNSRNRKRAVQGPETVTDCLQILADSEPTTIQKGSYTFVPMILSPKRSALAE 180
QY 181 KENKILVKEITGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEITGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDTFFGALKL 285
```

RESULT 146

US-10-127-824A-24

```
/ Sequence 24, Application US/10127824A
/ Publication No. US20030087352A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C92
/ CURRENT APPLICATION NUMBER: US/10/127,824A
/ PRIOR FILING DATE: 2002-10-15
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
```

PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 285
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-824A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
Db 1 MDSSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAELPKAGAPKAGLEAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYQVAALQGDLSLRAELQGHHAELPKAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 121 GEGNSQNSNRKRAVOGPEETVTDCLQIADSEPTIQQSYTFVFWMLSPKGSALBE 180
Db 121 GEGNSQNSNRKRAVOGPEETVTDCLQIADSEPTIQQSYTFVFWMLSPKGSALBE 180

QY 181 KENKILVETGYFFTYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPEL 240
Db 181 KENKILVETGYFFTYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPEL 240

QY 241 PNNCSYSAIGIAKLEEGDELQLAIPRENAQISLDGDTVFPGALKL 285
Db 241 PNNCSYSAIGIAKLEEGDELQLAIPRENAQISLDGDTVFPGALKL 285

RESULT 147
US-10-127-826A-24
Sequence 24, Application US/10127826A
Publication No. US20030087353A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C90
CURRENT APPLICATION NUMBER: US/10/127, 826A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115

PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-826A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
Db 1 MDSSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAELPKAGAPKAGLEAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYQVAALQGDLSLRAELQGHHAELPKAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 121 GEGNSQNSNRKRAVOGPEETVTDCLQIADSEPTIQQSYTFVFWMLSPKGSALBE 180
Db 121 GEGNSQNSNRKRAVOGPEETVTDCLQIADSEPTIQQSYTFVFWMLSPKGSALBE 180

QY 181 KENKILVETGYFFTYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPEL 240
Db 181 KENKILVETGYFFTYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPEL 240

QY 241 PNNCSYSAIGIAKLEEGDELQLAIPRENAQISLDGDTVFPGALKL 285
Db 241 PNNCSYSAIGIAKLEEGDELQLAIPRENAQISLDGDTVFPGALKL 285

RESULT 148
US-10-127-827A-24
Sequence 24, Application US/10127827A
Publication No. US20030087354A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C93
CURRENT APPLICATION NUMBER: US/10/127, 827A
CURRENT FILING DATE: 2002-10-16

PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO: 24
LENGTH: 285
TYPE: PR1
ORGANISM: Homo Sapien
US-10-127-827A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRRLTSCCKREEMKKECVSILPRKSPSVSSXODGKLLAATLLALLSCC 60
DB 1 MDDSTEREQRRLTSCCKREEMKKECVSILPRKSPSVSSXODGKLLAATLLALLSCC 60
QY 61 LTVVFFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVFFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNRKRAVQGPETVTDCLQLIADSEPTIQGSGTYFVFWLISFRGSALAE 180
DB 121 GEGNSSQNSRNRKRAVQGPETVTDCLQLIADSEPTIQGSGTYFVFWLISFRGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNNPETL 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEBDELOLAI PRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAI PRENAQISLDGDTFFGALKL 285

RESULT 149
US-10-127-828A-24

Sequence 24, Application US/10127828A
Publication No. US20030087355A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C101
CURRENT APPLICATION NUMBER: US/10/127,828A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO: 24
LENGTH: 285
TYPE: PR1
ORGANISM: Homo Sapien
US-10-127-828A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRRLTSCCKREEMKKECVSILPRKSPSVSSXODGKLLAATLLALLSCC 60
DB 1 MDDSTEREQRRLTSCCKREEMKKECVSILPRKSPSVSSXODGKLLAATLLALLSCC 60
QY 61 LTVVFFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVFFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNRKRAVQGPETVTDCLQLIADSEPTIQGSGTYFVFWLISFRGSALAE 180
DB 121 GEGNSSQNSRNRKRAVQGPETVTDCLQLIADSEPTIQGSGTYFVFWLISFRGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNNPETL 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEBDELOLAI PRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAI PRENAQISLDGDTFFGALKL 285

RESULT 150

US-10-127-830A-24

Sequence 24, Application US/10127830A
Publication No. US20030087356A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey

	APPLICANT:	Beresini, Maureen
	APPLICANT:	DeForge, Laura
	APPLICANT:	Deanoyers, Luc
	APPLICANT:	Filvaroff, Ellen
	APPLICANT:	Gao, Wei-Qiang
	APPLICANT:	Gerritsen, Mary E.
	APPLICANT:	Goddard, Audrey
	APPLICANT:	Godowski, Paul J.
	APPLICANT:	Gurney, Austin L.
	APPLICANT:	Sherwood, Steven
	APPLICANT:	Smith, Victoria
	APPLICANT:	Stewart, Timothy A.
	APPLICANT:	Tumas, Daniel
	APPLICANT:	Watanabe, Colin K
	APPLICANT:	Wood, William
	APPLICANT:	Zhang, Zenith
	TITLE OF INVENTION:	SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
	FILE REFERENCE:	P3330P1C109
	CURRENT FILING DATE:	US/10/127, 832A
	PRIOR APPLICATION NUMBER:	2002-10-45
	PRIOR APPLICATION NUMBER:	60/049911
	PRIOR FILING DATE:	1997-06-18
	PRIOR APPLICATION NUMBER:	60/056974
	PRIOR FILING DATE:	1997-08-26
	PRIOR APPLICATION NUMBER:	60/059113
	PRIOR FILING DATE:	1997-09-17
	PRIOR APPLICATION NUMBER:	60/059115
	PRIOR FILING DATE:	1997-09-17
	PRIOR APPLICATION NUMBER:	60/059117
	PRIOR FILING DATE:	1997-09-17
	PRIOR APPLICATION NUMBER:	60/059122
	PRIOR FILING DATE:	1997-09-17
	PRIOR APPLICATION NUMBER:	60/059184
	PRIOR FILING DATE:	1997-09-17
	PRIOR APPLICATION NUMBER:	60/059263
	PRIOR FILING DATE:	1997-09-18
	PRIOR APPLICATION NUMBER:	60/059352
	PRIOR FILING DATE:	1997-09-19
	PRIOR APPLICATION NUMBER:	60/059588
	PRIOR FILING DATE:	1997-09-19
	Remaining Prior Application data removed - See File Wrapper or PALM.	
	NUMBER OF SEQ ID NOS:	550
	SEQ ID NO 24	
	LENGTH:	285
	TYPE:	PRT
	ORGANISM:	Homo Sapien
	US-10-127-832A-24	
	Query Match	100.0%; Score 1451; DB 14; Length 285;
	Best Local Similarity	100.0%; Pred. No. 3,2e-139;
	Matches 285; Conservative	0; Mismatches 0; Indels 0; Gaps 0
Oy	1	MDDSTRERESRITSLCTLKKREEMKICEVSIIPRKSPSVSSSDGKLATLTLLALISCC 60
Db	1	MDSSTEREERSRLTSCCKRKEEMKCECVSILPRKSESVSSSDGKLNTLTLLALISCC 60
Oy	61	LTVVSFYVAALQGDJLASIRAELOGHNAEKLPAGAGA PKAGEBPAYVTGLKIPEPPAP 120
Db	61	LTVVSFYVAALQGDJLASIRAELOGHNAEKLPAGAGAPKA GLBEPAYVTGLKIPEPPAP 120
Oy	121	GEENSQSQRNKGAVQGBEFTYTODCLINDSETPIIQGSYTFVFWMLSFKSGSALBE 180
Db	121	GENNSQNRRNRRAVOGBEFTYTODCLINDSETPIIQGSYTFVFWMLSFKSGSALBE 180
Oy	181	KKKIIVKETGFYFYGVLTYDKTYAMGHLIQKKKYHVFGDELSIVTLFRCIQNNPETL 240
Db	181	KKKIIVKETGFYFYGVLTYDKTYAMGHLIQKKKYHVFGDELSIVTLFRCIQNNPETL 240
Oy	241	PNNSTCYAGIAKLBEGDELQLAIPENNAQISLDGVYTFPGALKLL 285
Db	241	PNNSTCYAGIAKLBEGDELQLAIPRENAAISLDGVYTFPGALKLL 285

```
RESULT 152
US-10-127-833A-24
; Sequence 24, Application US/10127833A
; Publication No. US20030087358A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Geo, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C95
; CURRENT APPLICATION NUMBER: US/10/127,833A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-833A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      181 KENKLVETGYFFIYGVLTDTKYANGHLIQKKVHVFGEDELSTVLFRCIONMPETL 240
Qy      241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDTFFGALKLL 285
Db      241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDTFFGALKLL 285

RESULT 153
US-10-127-834A-24
; Sequence 24, Application US/10127834A
; Publication No. US20030087359A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Geo, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C113
; CURRENT APPLICATION NUMBER: US/10/127,834A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059164
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-834A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 61 LTVSFEYQVALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTTIQKGSYTFVPMILSFKGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTTIQKGSYTFVPMILSFKGSALAE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPETL 240
Db 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPETL 240
QY 241 PNNCSYAGIAKLEBGEDELQALIPRENAQISLDGDTVFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQALIPRENAQISLDGDTVFFGALKL 285

RESULT 154

US-10-127-836A-24
Sequence 24, Application US/10127836A
Publication No. US20030087360A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C97
CURRENT APPLICATION NUMBER: US/10/127, 836A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-836A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRLTSCLKREEMKLCBCVSLPRKSPSVRSSXDGKLLAATLILALSSC 60
Db 1 MDSTEREQRLTSCLKREEMKLCBCVSLPRKSPSVRSSXDGKLLAATLILALSSC 60
QY 61 LTVSFEYQVALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFPPAP 120
Db 61 LTVSFEYQVALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTTIQKGSYTFVPMILSFKGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTTIQKGSYTFVPMILSFKGSALAE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPETL 240
Db 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPETL 240
QY 241 PNNCSYAGIAKLEBGEDELQALIPRENAQISLDGDTVFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQALIPRENAQISLDGDTVFFGALKL 285

RESULT 155

US-10-127-841A-24
Sequence 24, Application US/10127841A
Publication No. US20030087361A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C108
CURRENT APPLICATION NUMBER: US/10/127, 841A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285

```
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-841A-24

Query Match
Best Local Similarity 100.0%; Score 1451; DB 14; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKXGKLLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKXGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGEETVTQDCLQILADSETPTIQSGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTQDCLQILADSETPTIQSGSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 156
US-10-127-844A-24
Sequence 24, Application US/10127844A
Publication No. US20030087362A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330RJC104
CURRENT APPLICATION NUMBER: US/10/127,844A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
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PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-844A-24

Query Match
Best Local Similarity 100.0%; Score 1451; DB 14; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKXGKLLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKXGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGEETVTQDCLQILADSETPTIQSGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTQDCLQILADSETPTIQSGSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 157
US-10-128-687A-24
Sequence 24, Application US/10128687A
Publication No. US20030087363A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330RJC115
CURRENT APPLICATION NUMBER: US/10/128,687A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
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PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-128-687A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLRTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLISCC 60
DB 1 MDSTEREQSLRTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLISCC 60
QY 61 LTVVSFYVVALQGDLSLRRELQGHAEKLPAGAGAPKGLAEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYVVALQGDLSLRRELQGHAEKLPAGAGAPKGLAEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRRAVQGEETVTDCLQLADSETPTIQGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGEETVTDCLQLADSETPTIQGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLQKKVHVGDLSLVTIFRCIONMBETL 240
DB 181 KENKILVETGYFFIYGVLYTDKTYAMGHLQKKVHVGDLSLVTIFRCIONMBETL 240
QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 158

US-10-128-688A-24
Sequence 24, Application US/10128688A
Publication No. US20030087364A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Desnoyers, Luc
APPLICANT: Flivaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C125
CURRENT APPLICATION NUMBER: US/10/128, 688A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974

PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-128-688A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLRTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLISCC 60
DB 1 MDSTEREQSLRTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLISCC 60
QY 61 LTVVSFYVVALQGDLSLRRELQGHAEKLPAGAGAPKGLAEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYVVALQGDLSLRRELQGHAEKLPAGAGAPKGLAEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRRAVQGEETVTDCLQLADSETPTIQGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGEETVTDCLQLADSETPTIQGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLQKKVHVGDLSLVTIFRCIONMBETL 240
DB 181 KENKILVETGYFFIYGVLYTDKTYAMGHLQKKVHVGDLSLVTIFRCIONMBETL 240
QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 159

US-10-128-689A-24
Sequence 24, Application US/10128689A
Publication No. US20030087365A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Desnoyers, Luc
APPLICANT: Flivaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC


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/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P333ORIC117
/ CURRENT APPLICATION NUMBER: US/10/128,689A
/ CURRENT FILING DATE: 2002-10-15
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-128-689A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVSSXDKGLAATLLALSSCC 60
DB 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVSSXDKGLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPVYTGKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPVYTGKIFEPAP 120
QY 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTPIQKSYTFVFWLISFRGSALAE 180
DB 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTPIQKSYTFVFWLISFRGSALAE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNPETL 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNPETL 240
QY 241 PNNSCYSAGIAKLEBDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 160
US-10-128-694A-24
/ Sequence 24, Application US/10128694A
/ Publication No. US20030087366A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroft, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Godard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
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/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zenith
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P333ORIC121
/ CURRENT APPLICATION NUMBER: US/10/128,694A
/ CURRENT FILING DATE: 2002-10-15
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-128-694A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVSSXDKGLAATLLALSSCC 60
DB 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVSSXDKGLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPVYTGKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPVYTGKIFEPAP 120
QY 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTPIQKSYTFVFWLISFRGSALAE 180
DB 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTPIQKSYTFVFWLISFRGSALAE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNPETL 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNPETL 240
QY 241 PNNSCYSAGIAKLEBDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 161
US-10-131-825A-24
/ Sequence 24, Application US/10131825A
/ Publication No. US20030087367A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
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APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C133
CURRENT APPLICATION NUMBER: US/10/131,825A
PRIOR FILING DATE: 1997-06-18
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-825A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLATLLALLSSCC 60
DB 1 MDDSTEREQRLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLATLLALLSSCC 60
QY 61 LTVVSFYQVVALQGDLLASLRAELQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQGDLLASLRAELQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVFWMLSPKRGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVFWMLSPKRGSALEE 180
QY 121 GEGNSSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVFWMLSPKRGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVFWMLSPKRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLTDTKYAMGHLIQKKYHVFGEDELSTVTLFRCIQNPBETL 240
DB 181 KENKILVETGYFFIYGQVLTDTKYAMGHLIQKKYHVFGEDELSTVTLFRCIQNPBETL 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKLL 285

RESULT 162
US-10-230-417-24
```

```
Sequence 24, Application US/10230417
Publication No. US20030087385A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C461
CURRENT APPLICATION NUMBER: US/10/230,417
PRIOR FILING DATE: 2002-08-28
PRIOR APPLICATION NUMBER: US 10/028,072
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: US 60/170,262
PRIOR FILING DATE: 1999-12-09
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-230-417-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLATLLALLSSCC 60
DB 1 MDDSTEREQRLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLATLLALLSSCC 60
QY 61 LTVVSFYQVVALQGDLLASLRAELQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQGDLLASLRAELQGHNAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVFWMLSPKRGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVFWMLSPKRGSALEE 180
QY 121 GEGNSSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVFWMLSPKRGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVFWMLSPKRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLTDTKYAMGHLIQKKYHVFGEDELSTVTLFRCIQNPBETL 240
DB 181 KENKILVETGYFFIYGQVLTDTKYAMGHLIQKKYHVFGEDELSTVTLFRCIQNPBETL 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKLL 285

RESULT 163
US-10-131-815A-24
Sequence 24, Application US/10131815A
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
```

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/ APPLICANT: Gao,Wei-Qiang
/ APPLICANT: Gerritsen,Mary E.
/ APPLICANT: Goddard,Audrey
/ APPLICANT: Godowski,Paul J.
/ APPLICANT: Gurney,Austin L.
/ APPLICANT: Sherwood,Steven
/ APPLICANT: Smith,Victoria
/ APPLICANT: Stewart,Timothy A.
/ APPLICANT: Tumas,Daniel
/ APPLICANT: Watanabe,Colin K
/ APPLICANT: Wood,William
/ APPLICANT: Zhang,Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C145
/ CURRENT APPLICATION NUMBER: US/10/131,815A
/ CURRENT FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-131-815A-24

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```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred.No.3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALOGDLASLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALOGDLASLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSETPTIQGSYTFVFWMLSPKRSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSETPTIQGSYTFVFWMLSPKRSALAE 180
QY 181 KENKILIVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPE 240
DB 181 KENKILIVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEGBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEGBDELQLAIPRENAQISLDGVTFFGALKL 285

```

RESULT 164
US-10-131-817A-24
Sequence 24, Application US/10131817A

```

/ Publication No. US20030092104A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao,Wei-Qiang
/ APPLICANT: Gerritsen,Mary E.
/ APPLICANT: Goddard,Audrey
/ APPLICANT: Godowski,Paul J.
/ APPLICANT: Gurney,Austin L.
/ APPLICANT: Sherwood,Steven
/ APPLICANT: Smith,Victoria
/ APPLICANT: Stewart,Timothy A.
/ APPLICANT: Tumas,Daniel
/ APPLICANT: Watanabe,Colin K
/ APPLICANT: Wood,William
/ APPLICANT: Zhang,Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C129
/ CURRENT FILING DATE: US/10/131,817A
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-131-817A-24

```

```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred.No.3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALOGDLASLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALOGDLASLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSETPTIQGSYTFVFWMLSPKRSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSETPTIQGSYTFVFWMLSPKRSALAE 180
QY 181 KENKILIVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPE 240
DB 181 KENKILIVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEGBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEGBDELQLAIPRENAQISLDGVTFFGALKL 285

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Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKLL 285

RESULT 165

US-10-131-822A-24

Sequence 24, Application US/10131821A
Publication No. US2003092105A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: Deforge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria A.

APPLICANT: Stewart, Timothy A.

APPLICANT: Tamas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P330R1C138

CURRENT APPLICATION NUMBER: US/10/131,822A

CURRENT FILING DATE: 2002-04-23

PRIOR APPLICATION NUMBER: 60/049911

PRIOR FILING DATE: 1997-06-18

PRIOR APPLICATION NUMBER: 60/056974

PRIOR FILING DATE: 1997-08-26

PRIOR APPLICATION NUMBER: 60/059113

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059115

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059117

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059122

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059184

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059352

PRIOR FILING DATE: 1997-09-19

PRIOR APPLICATION NUMBER: 60/059588

PRIOR FILING DATE: 1997-09-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 24

LENGTH: 285

TYPE: PRT

ORGANISM: Homo Sapien

US-10-131-822A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3.2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 MDDSTERQSRITSLCKREEMKKECVSILPRKESVSRSKDGKLLAATLLALISCC 60

Qy 1 MDDSTERQSRITSLCKREEMKKECVSILPRKESVSRSKDGKLLAATLLALISCC 60

Db 61 LTVASFVQVALQGLDLSIRAEIQLGHAAKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120

Qy 61 LTVASFVQVALQGLDLSIRAEIQLGHAAKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120

Db 121 GEGNSONSNRKRAVQGEETVTQDCIQLADSETPTIQGVSYPFWMLISFRGSALER 180

Qy 121 GEGNSONSNRKRAVQGEETVTQDCIQLADSETPTIQGVSYPFWMLISFRGSALER 180

Db 121 GEGNSONSNRKRAVQGEETVTQDCIQLADSETPTIQGVSYPFWMLISFRGSALER 180

Qy 181 KENKILVKEGYFFITQCVLTDTKTYAMGHLIQKKVHVGBDLSTVTFRCIQNPEEL 240

Db 181 KENKILVKEGYFFITQCVLTDTKTYAMGHLIQKKVHVGBDLSTVTFRCIQNPEEL 240

Qy 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKLL 285

Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKLL 285

RESULT 166

US-10-131-822A-24

Sequence 24, Application US/10131822A

Publication No. US2003092106A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: Deforge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria A.

APPLICANT: Stewart, Timothy A.

APPLICANT: Tamas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P330R1C127

CURRENT APPLICATION NUMBER: US/10/131,822A

CURRENT FILING DATE: 2002-04-24

PRIOR APPLICATION NUMBER: 60/049911

PRIOR FILING DATE: 1997-06-18

PRIOR APPLICATION NUMBER: 60/056974

PRIOR FILING DATE: 1997-08-26

PRIOR APPLICATION NUMBER: 60/059113

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059115

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059117

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059122

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059184

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059352

PRIOR FILING DATE: 1997-09-19

PRIOR APPLICATION NUMBER: 60/059588

PRIOR FILING DATE: 1997-09-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 24

LENGTH: 285

TYPE: PRT

ORGANISM: Homo Sapien

US-10-131-822A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3.2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 MDDSTERQSRITSLCKREEMKKECVSILPRKESVSRSKDGKLLAATLLALISCC 60

Qy 1 MDDSTERQSRITSLCKREEMKKECVSILPRKESVSRSKDGKLLAATLLALISCC 60

Db 61 LTVASFVQVALQGLDLSIRAEIQLGHAAKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120

Qy 61 LTVASFVQVALQGLDLSIRAEIQLGHAAKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120

Db 121 GEGNSONSNRKRAVQGEETVTQDCIQLADSETPTIQGVSYPFWMLISFRGSALER 180

QY 61 LTVSFFVQVAALOGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFFVQVAALOGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSEPTIOKGSYTFVWMLSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSEPTIOKGSYTFVWMLSFKGSALAE 180
QY 181 KENKILVKEITGYFTIYGQVLYTDKTYAMGHLIQRKQVHFGDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVKEITGYFTIYGQVLYTDKTYAMGHLIQRKQVHFGDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 167
US-10-131-828A-24

Sequence 24, Application US/10131828A
Publication No. US2003092107A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarcoff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C140
CURRENT APPLICATION NUMBER: US/10/131,828A
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-828A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTERQSRILTSCLKREEMKLEKCVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTERQSRILTSCLKREEMKLEKCVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVSFFVQVAALOGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFFVQVAALOGDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSEPTIOKGSYTFVWMLSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSEPTIOKGSYTFVWMLSFKGSALAE 180
QY 181 KENKILVKEITGYFTIYGQVLYTDKTYAMGHLIQRKQVHFGDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVKEITGYFTIYGQVLYTDKTYAMGHLIQRKQVHFGDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 168
US-10-131-835A-24

Sequence 24, Application US/10131835A
Publication No. US2003092108A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarcoff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C132
CURRENT APPLICATION NUMBER: US/10/131,835A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.

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/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-131-835A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSONSRRKRAVQGPETVTQDCQLADSETPTIQGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSONSRRKRAVQGPETVTQDCQLADSETPTIQGSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSLVTLPFCIONMBETL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSLVTLPFCIONMBETL 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTVFFGALKL 285

RESULT 169
US-10-137-864A-24
/ Sequence 24, Application US/10137864A
/ Publication No. US20030092110A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C148
/ CURRENT APPLICATION NUMBER: US/10/137,864A
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059111
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
```

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/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-137-864A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSONSRRKRAVQGPETVTQDCQLADSETPTIQGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSONSRRKRAVQGPETVTQDCQLADSETPTIQGSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSLVTLPFCIONMBETL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSLVTLPFCIONMBETL 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTVFFGALKL 285

RESULT 170
US-10-137-869A-24
/ Sequence 24, Application US/10137869A
/ Publication No. US2003009211A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C147
/ CURRENT APPLICATION NUMBER: US/10/137,869A
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-09-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
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Query Match	100.0%;	Score 1451;	DB 14;	Length 285;
Best Local Similarity	100.0%;	Pred. No. 3.2e-139;		
Matches 285; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

QY	1	MDSTREOSRLTSCJCKKEEMKJECVSIILPKRSPSVRSXSDKLLAATLLAALSCC	60
Db	1	MDSTREOSRLTSCJCKKEEMKJECVSIILPKRSPSVRSXSDKLLAATLLAALSCC	60
QY	61	LIVAVSYQVAALOGDIALSPABIQGHNAEKLPAAGAPAKGLEAPAVTAGIKTIEEPAP	120
Db	61	LIVAVSYQVAALOGDIALSPABIQGHNAEKLPAAGAPAKGLEAPAVTAGIKTIEEPAP	120
QY	121	GEGNSSONSINKAAVOGPEETVTOCDLOIADSEPTIOKGSYTVFPMVLSPRKGSALAE	180
Db	121	GEGNSSONSINKAAVOGPEETVTOCDLOIADSEPTIOKGSYTVFPMVLSPRKGSALAE	180
QY	181	KENKILIVKETGYFFIYGVALYTDKTYAMGHLLQKKVHVFGDELSVLVLFRCIONMPELT	240
Db	181	KENKILIVKETGYFFIYGVALYTDKTYAMGHLLQKKVHVFGDELSVLVLFRCIONMPELT	240
QY	241	PNNSCYSAGIAKLEEGDELOLAIPRPNAOISLDGVTFPGAKTL	295
Db	241	PNNSCYSAGIAKLEEGDELOLAIPRPNAOISLDGVTFPGAKTL	295

```

US-10-147-523-24
Sequence 24, Application US/10147523
Publication No. US20030092113A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Denoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guiney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333OR1G327
CURRENT APPLICATION NUMBER: US/10/147,523
CURRENT FILING DATE: 2002-05-16

```

```

; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-523-24

```

Query Match	100.0%;	Score 1451;	DB 14,	Length 285;
Best Local Similarity	100.0%;	Pred. No. 3.2e-139;		
Matches 285; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

Qy	1	MDSTEEQSRILNSCLKKREMKLKECVSLIPRRESVSVSSXOGKLLAATLLALLSCC	60
Db	1	MDSTEEQSRILNSCLKKREMKLKECVSLIPRRESVSVSSXOGKLLAATLLALLSCC	60
Qy	61	LTVVSPFOVALLOGLDLSLPAELQGHNAEKLPGAGAPKAGLEBAPAVTAGLKI	120
Db	61	LTVVSPFOVALLOGLDLSLPAELQGHNAEKLPGAGAPKAGLEBAPAVTAGLKI	120
Qy	121	GEQSSQSNANKRAVQSPPEETVTDCCQLADSEPTPIQKGSYTFVFWMLSPKGSALAE	180
Db	121	GEQSSQSNANKRAVQSPPEETVTDCCQLADSEPTPIQKGSYTFVFWMLSPKGSALAE	180
Qy	181	KENKILVKESTGYFFPIYQVLIYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCLIONMPETL	240
Db	181	KENKILVKESTGYFFPIYQVLIYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCLIONMPETL	240
Qy	241	PNNNSCYAGTAKLEEGDELQATIPRENAQSLSDGDVTFPGALKLTL	285
Db	241	PNNNSCYAGTAKLEEGDELQATIPRENAQSLSDGDVTFPGALKLTL	285

RESULT 172
US-10-158-785-24

```

Publication No. US20030092115A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Matarabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C45
CURRENT APPLICATION NUMBER: US/10/158,785
CURRENT FILING DATE: 2002-05-30
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-158-785-24

```

Query Match	100.0%	Score 1451	DB 14	Length 285
Best Local Similarity	100.0%	Pred. No. 3.2e-139		
Matches 285	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	1	MDSTERBQRLTSCLKREEMTKCEVSTLPRKEBPSVSSSDGKILAAITLIALISCC	60	

```

Db      1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
Qy      61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
        61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db      121 GEGNSSQNSNRKRAVQGPBEETVTDCLQADSETPTIQGSYTFVPMILSFKGSALAE 180
Qy      121 GEGNSSQNSNRKRAVQGPBEETVTDCLQADSETPTIQGSYTFVPMILSFKGSALAE 180
        121 GEGNSSQNSNRKRAVQGPBEETVTDCLQADSETPTIQGSYTFVPMILSFKGSALAE 180
Db      181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEL 240
Qy      181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEL 240
        181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEL 240
Db      241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285
Qy      241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285
        241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285

```

RESULT 173

```

US-10-121-051-24
; Sequence 24, Application US/10121051
; Publication No. US20030092147A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherrwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C6
; CURRENT APPLICATION NUMBER: US/10/121,051
; CURRENT FILING DATE: 2002-04-11
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-051-24

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Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
        1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
Db      121 GEGNSSQNSNRKRAVQGPBEETVTDCLQADSETPTIQGSYTFVPMILSFKGSALAE 180
Qy      121 GEGNSSQNSNRKRAVQGPBEETVTDCLQADSETPTIQGSYTFVPMILSFKGSALAE 180
        121 GEGNSSQNSNRKRAVQGPBEETVTDCLQADSETPTIQGSYTFVPMILSFKGSALAE 180
Db      181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEL 240
Qy      181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEL 240
        181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEL 240
Db      241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285
Qy      241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285
        241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285

```

```

Qy      241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285
        241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285
Db      241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285

```

RESULT 174

```

US-10-008-063-5
; Sequence 5, Application US/10008063
; Publication No. US20030092164A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Gross, Jane A.
; APPLICANT: Xu, Wenfeng
; APPLICANT: Henne, Randal M.
; APPLICANT: Grant, Francis, J.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor
; FILE REFERENCE: 00-103
; CURRENT APPLICATION NUMBER: US/10/008,063
; CURRENT FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-008-063-5

```

```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
        1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
Db      121 GEGNSSQNSNRKRAVQGPBEETVTDCLQADSETPTIQGSYTFVPMILSFKGSALAE 180
Qy      121 GEGNSSQNSNRKRAVQGPBEETVTDCLQADSETPTIQGSYTFVPMILSFKGSALAE 180
        121 GEGNSSQNSNRKRAVQGPBEETVTDCLQADSETPTIQGSYTFVPMILSFKGSALAE 180
Db      181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEL 240
Qy      181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEL 240
        181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEL 240
Db      241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285
Qy      241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285
        241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285

```

RESULT 175

```

US-10-121-042-24
; Sequence 24, Application US/10121042
; Publication No. US20030096386A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherrwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William

```


APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C10
CURRENT APPLICATION NUMBER: US/10/121,042
CURRENT FILING DATE: 2002-04-11
PRIORITY APPLICATION removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-042-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERBOSRLTSCCKREEMKKECVSILPRKESPSVRSSMDGKLLAATLLALLSCC 60
DB 1 MDSTERBOSRLTSCCKREEMKKECVSILPRKESPSVRSSMDGKLLAATLLALLSCC 60
QY LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
QY 121 GEGNSONSRRKRAVQGPBEETVQDCQLIADSEPTIQQSGYTFVFWLLSFKRGSALEE 180
DB 121 GEGNSONSRRKRAVQGPBEETVQDCQLIADSEPTIQQSGYTFVFWLLSFKRGSALEE 180
QY 181 KENKILVKEITGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEITGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 176
US-10-218-547-30
Sequence 30, Application US/10218547
Publication No. US20030100074A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Methods And Compositions For Treating Metabolic Bone Diseases Rel
FILE OF INVENTION: Human Endocrine Alpha
FILE REFERENCE: PF561
CURRENT APPLICATION NUMBER: US/10/218,547
CURRENT FILING DATE: 2002-08-15
PRIORITY APPLICATION NUMBER: 60/312,542
PRIORITY FILING DATE: 2001-08-16
PRIORITY APPLICATION NUMBER: 60/330,761
PRIORITY FILING DATE: 2001-10-30
NUMBER OF SEQ ID NOS: 57
SOFTWARE: PatentIn version 3.1
SEQ ID NO 30
LENGTH: 285
TYPE: PRT
ORGANISM: human
US-10-218-547-30

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERBOSRLTSCCKREEMKKECVSILPRKESPSVRSSMDGKLLAATLLALLSCC 60
DB 1 MDSTERBOSRLTSCCKREEMKKECVSILPRKESPSVRSSMDGKLLAATLLALLSCC 60
QY LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120

QY 121 GEGNSONSRRKRAVQGPBEETVQDCQLIADSEPTIQQSGYTFVFWLLSFKRGSALEE 180
DB 121 GEGNSONSRRKRAVQGPBEETVQDCQLIADSEPTIQQSGYTFVFWLLSFKRGSALEE 180
QY 181 KENKILVKEITGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEITGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 177
US-10-123-912-24
Sequence 24, Application US/10123912
Publication No. US20030100087A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Betesini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarioff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C55
CURRENT APPLICATION NUMBER: US/10/123,912
CURRENT FILING DATE: 2002-04-16
PRIORITY APPLICATION removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-912-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERBOSRLTSCCKREEMKKECVSILPRKESPSVRSSMDGKLLAATLLALLSCC 60
DB 1 MDSTERBOSRLTSCCKREEMKKECVSILPRKESPSVRSSMDGKLLAATLLALLSCC 60
QY LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
QY 121 GEGNSONSRRKRAVQGPBEETVQDCQLIADSEPTIQQSGYTFVFWLLSFKRGSALEE 180
DB 121 GEGNSONSRRKRAVQGPBEETVQDCQLIADSEPTIQQSGYTFVFWLLSFKRGSALEE 180
QY 181 KENKILVKEITGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEITGYFFIYGQVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKLL 285

```

RESULT 178
US-10-223-085-98
; Sequence 98, Application US/10223085
; Publication No. US20030100497A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Masters, Scot A.
; APPLICANT: Pan, James
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Ye, Weilian
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
; FILE REFERENCE: P3235P1C10
; CURRENT APPLICATION NUMBER: US/10/223,085
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 10/081,056
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/213,637
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/219,556
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: US 60/220,624
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/220,664
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: PCT/US00/20710
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/222,695
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: US 09/643,657
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US00/23522
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 383
; SEQ ID NO 98
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-223-085-98

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MDDSTERBQSRLTSCCKRREMKKECVSLIPRSPSVSSKDGKLLAATLLALISCC 60
Db 1 MDDSTERBQSRLTSCCKRREMKKECVSLIPRSPSVSSKDGKLLAATLLALISCC 60
Cy 1 LTVVSFYVAALQDGLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 1 LTVVSFYVAALQDGLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Cy 61 LTVVSFYVAALQDGLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYVAALQDGLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Cy 121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSETPTIQGSYTFVFWMLSPKGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSETPTIQGSYTFVFWMLSPKGSALAE 180
Cy 121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSETPTIQGSYTFVFWMLSPKGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSETPTIQGSYTFVFWMLSPKGSALAE 180
Cy 161 KENKILVETGYFFIYGQVLTDTKTAMGHLIQKKYHVFDELSLTLFRCIONMPEYL 240
Db 161 KENKILVETGYFFIYGQVLTDTKTAMGHLIQKKYHVFDELSLTLFRCIONMPEYL 240
Cy 181 KENKILVETGYFFIYGQVLTDTKTAMGHLIQKKYHVFDELSLTLFRCIONMPEYL 240
Db 181 KENKILVETGYFFIYGQVLTDTKTAMGHLIQKKYHVFDELSLTLFRCIONMPEYL 240

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Cy 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDVTFPGALKLL 285
Db 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDVTFPGALKLL 285

RESULT 179
US-10-152-363A-3
; Sequence 3, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
; APPLICANT: Rixon, Mark W.
; APPLICANT: Gross, Jane A.
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
; FILE REFERENCE: 01-20
; CURRENT APPLICATION NUMBER: US/10/152,363A
; PRIOR FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/293,343
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-152-363A-3

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MDDSTERBQSRLTSCCKRREMKKECVSLIPRSPSVSSKDGKLLAATLLALISCC 60
Db 1 MDDSTERBQSRLTSCCKRREMKKECVSLIPRSPSVSSKDGKLLAATLLALISCC 60
Cy 61 LTVVSFYVAALQDGLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYVAALQDGLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Cy 121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSETPTIQGSYTFVFWMLSPKGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSETPTIQGSYTFVFWMLSPKGSALAE 180
Cy 161 KENKILVETGYFFIYGQVLTDTKTAMGHLIQKKYHVFDELSLTLFRCIONMPEYL 240
Db 161 KENKILVETGYFFIYGQVLTDTKTAMGHLIQKKYHVFDELSLTLFRCIONMPEYL 240
Cy 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDVTFPGALKLL 285
Db 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDVTFPGALKLL 285

RESULT 180
US-10-192-007-24
; Sequence 24, Application US/10192007
; Publication No. US20030104544A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Flivaro, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William

```

APPLICANT: Zhang, Zhen
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C281
CURRENT APPLICATION NUMBER: US/10/192,007
CURRENT FILING DATE: 2002-07-09
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059836
PRIOR FILING DATE: 1997-09-24
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063127
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063327
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063329
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063550
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063561
PRIOR FILING DATE: 1997-10-28
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PRIOR FILING DATE: 1997-10-29
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PRIOR APPLICATION NUMBER: 60/063738
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063755
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064248
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064809
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065846
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
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PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/069212
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069278
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069334
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069694
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/074092
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
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PRIOR FILING DATE: 1998-04-24
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PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
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PRIOR FILING DATE: 1998-05-13
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PRIOR FILING DATE: 1998-05-15
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086414
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/086430
PRIOR FILING DATE: 1998-05-22

PRIOR APPLICATION NUMBER: 60/087106
 PRIOR FILING DATE: 1998-05-28
 PRIOR APPLICATION NUMBER: 60/088026
 PRIOR FILING DATE: 1998-06-04
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 PRIOR APPLICATION NUMBER: 60/088741
 PRIOR FILING DATE: 1998-06-10
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 PRIOR APPLICATION NUMBER: 60/090863
 PRIOR FILING DATE: 1998-06-26
 PRIOR APPLICATION NUMBER: 60/091360
 PRIOR FILING DATE: 1998-07-01
 PRIOR APPLICATION NUMBER: 60/091519
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPVSSXDGKLLAATLLALISCC 60
 DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPVSSXDGKLLAATLLALISCC 60
 QY 61 LTVSFPYVAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVSFPYVAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRKRAVOGPEETVTDCLQIADSETPTIOKSYTFVWMLSPKGSALAE 180
 DB 121 GEGNSQNSRKRAVOGPEETVTDCLQIADSETPTIOKSYTFVWMLSPKGSALAE 180
 QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNMPEYL 240
 DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNMPEYL 240
 QY 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDVTFPGALKL 285
 DB 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDVTFPGALKL 285

RESULT 181
 US-10-194-359-24
 Sequence 24, Application US/10194359
 Publication No. US20030104545A1
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Inc
 APPLICANT: Flivarov, Ellen
 APPLICANT: Geo, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE OF INVENTION: ACTS ENCODING THE SAME
 FILE REFERENCE: P330R1C315
 CURRENT APPLICATION NUMBER: US/10/194,359
 CURRENT FILING DATE: 2002-07-12
 Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-194-359-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPVSSXDGKLLAATLLALISCC 60
 DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPVSSXDGKLLAATLLALISCC 60
 QY 61 LTVSFPYVAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVSFPYVAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRKRAVOGPEETVTDCLQIADSETPTIOKSYTFVWMLSPKGSALAE 180
 DB 121 GEGNSQNSRKRAVOGPEETVTDCLQIADSETPTIOKSYTFVWMLSPKGSALAE 180
 QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNMPEYL 240
 DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNMPEYL 240
 QY 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDVTFPGALKL 285
 DB 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDVTFPGALKL 285

RESULT 182
 US-10-223-084-98
 Sequence 98, Application US/10223084
 Publication No. US20030105011A1
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Geider, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Masters, Scot A.
 APPLICANT: Pan, James
 APPLICANT: Stephan, Jean-Philippe F.
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Wood, William I.
 APPLICANT: Williams, P. Mickey
 APPLICANT: Ye, Weilan
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
 TITLE OF INVENTION: TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
 FILE REFERENCE: P3235P1C5
 CURRENT APPLICATION NUMBER: US/10/223,084
 CURRENT FILING DATE: 2002-08-16

PRIOR APPLICATION NUMBER: US 10/081,056
 PRIOR FILING DATE: 2002-02-20
 PRIOR APPLICATION NUMBER: US 60/213,637
 PRIOR FILING DATE: 2000-06-23
 PRIOR APPLICATION NUMBER: US 60/219,556
 PRIOR FILING DATE: 2000-07-20
 PRIOR APPLICATION NUMBER: US 60/220,624
 PRIOR FILING DATE: 2000-07-25
 PRIOR APPLICATION NUMBER: US 60/220,664
 PRIOR FILING DATE: 2000-07-25
 PRIOR APPLICATION NUMBER: PCT/US00/20710
 PRIOR FILING DATE: 2000-07-28
 PRIOR APPLICATION NUMBER: US 60/222,695
 PRIOR FILING DATE: 2000-08-02
 PRIOR APPLICATION NUMBER: US 09/643,657
 PRIOR FILING DATE: 2000-08-17
 PRIOR APPLICATION NUMBER: PCT/US00/23522
 PRIOR FILING DATE: 2000-08-23
 PRIOR APPLICATION NUMBER: PCT/US00/23328
 PRIOR FILING DATE: 2000-08-24
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 383
 SEQ ID NO 98
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-223-084-98

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60
 DB 1 MDDSTEREQSLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60
 QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSSONRKRAVQGPBEVTQDCLQIADSETPTIQGSYTFVFWMLSKRGSALEE 180
 DB 121 GEGNSSONRKRAVQGPBEVTQDCLQIADSETPTIQGSYTFVFWMLSKRGSALEE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNMPELT 240
 QY 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 183
 US-10-223-088-98
 Sequence 98, Application US/10223088
 Publication No. US20030105012A1
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerltzen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Marsters, Scot A.
 APPLICANT: Pan, James
 APPLICANT: Stephan, Jean-Philippe F.
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Wood, William I.
 APPLICANT: Williams, P. Mickey
 APPLICANT: Ye, Weilan

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
 TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
 FILE REFERENCE: P3235P1C6
 CURRENT APPLICATION NUMBER: US/10/223,088
 CURRENT FILING DATE: 2002-08-16
 PRIOR APPLICATION NUMBER: US 10/081,056
 PRIOR FILING DATE: 2002-02-20
 PRIOR APPLICATION NUMBER: US 60/213,637
 PRIOR FILING DATE: 2000-06-23
 PRIOR APPLICATION NUMBER: US 60/219,556
 PRIOR FILING DATE: 2000-07-20
 PRIOR APPLICATION NUMBER: US 60/220,624
 PRIOR FILING DATE: 2000-07-25
 PRIOR APPLICATION NUMBER: US 60/220,664
 PRIOR FILING DATE: 2000-07-25
 PRIOR APPLICATION NUMBER: PCT/US00/20710
 PRIOR FILING DATE: 2000-07-28
 PRIOR APPLICATION NUMBER: US 60/222,695
 PRIOR FILING DATE: 2000-08-02
 PRIOR APPLICATION NUMBER: US 09/643,657
 PRIOR FILING DATE: 2000-08-17
 PRIOR APPLICATION NUMBER: PCT/US00/23522
 PRIOR FILING DATE: 2000-08-23
 PRIOR APPLICATION NUMBER: PCT/US00/23328
 PRIOR FILING DATE: 2000-08-24
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 383
 SEQ ID NO 98
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-223-088-98

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60
 DB 1 MDDSTEREQSLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60
 QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSSONRKRAVQGPBEVTQDCLQIADSETPTIQGSYTFVFWMLSKRGSALEE 180
 DB 121 GEGNSSONRKRAVQGPBEVTQDCLQIADSETPTIQGSYTFVFWMLSKRGSALEE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNMPELT 240
 QY 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 184
 US-10-223-090-98
 Sequence 98, Application US/10223090
 Publication No. US20030105013A1
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerltzen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Marsters, Scot A.
 APPLICANT: Pan, James

APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Matanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Williams, P. Mickey
APPLICANT: Ye, Weilan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
FILE REFERENCE: P3235P1C2
CURRENT APPLICATION NUMBER: US/10/223,090
CURRENT FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 10/081,056
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/213,637
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/219,556
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: US 60/220,624
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/220,664
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: US 60/222,695
PRIOR FILING DATE: 2000-08-02
PRIOR APPLICATION NUMBER: US 09/643,657
PRIOR FILING DATE: 2000-08-17
PRIOR APPLICATION NUMBER: PCT/US00/23522
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 383
SEQ ID NO 98
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
US-10-223-090-98
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEEGSRITSCLEKREEMKKECVSLTPRKESVSRSXDGKILATLTLALSSC 60
DB 1 MDSTEEGSRITSCLEKREEMKKECVSLTPRKESVSRSXDGKILATLTLALSSC 60
QY 61 LTVSFQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSNSNRKRAVQPEETVTQDCQLIADSETPTIQSGYTFVPMLSFRGSALAE 180
DB 121 GEGNSNSNRKRAVQPEETVTQDCQLIADSETPTIQSGYTFVPMLSFRGSALAE 180
QY 181 KENKILKERTGYFTYQGVLYTDKTYMAGHLIQRKRVHFGDELSTVTLPRCIQNMPE 240
DB 181 KENKILKERTGYFTYQGVLYTDKTYMAGHLIQRKRVHFGDELSTVTLPRCIQNMPE 240
QY 241 PNNSCYAGIAKLEEGDELQAIIPRENAQISLDGDTVPFGALKIL 285
DB 241 PNNSCYAGIAKLEEGDELQAIIPRENAQISLDGDTVPFGALKIL 285
RESULT 185
US-10-223-087-98
Sequence 98, Application US/10223087
Publication No. US20030109438A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Ferrara, Napoleone
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertelsen, Mary E.
APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Marsters, Scot A.
APPLICANT: Pan, James
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Matanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Williams, P. Mickey
APPLICANT: Ye, Weilan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
FILE REFERENCE: P3235P1C4
CURRENT APPLICATION NUMBER: US/10/223,087
CURRENT FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 10/081,056
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/213,637
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/219,556
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: US 60/220,624
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/220,664
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: US 60/222,695
PRIOR FILING DATE: 2000-08-02
PRIOR APPLICATION NUMBER: US 09/643,657
PRIOR FILING DATE: 2000-08-17
PRIOR APPLICATION NUMBER: PCT/US00/23522
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: US 60/230,978
PRIOR FILING DATE: 2000-09-07
PRIOR APPLICATION NUMBER: US 60/232,887
PRIOR FILING DATE: 2000-09-15
PRIOR APPLICATION NUMBER: US 09/664,610
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US 60/242,922
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 09/709,238
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: PCT/US00/30952
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: PCT/US00/30873
PRIOR FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: US 09/747,259
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: PCT/US00/34956
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: US 09/767,609
PRIOR FILING DATE: 2001-01-22
PRIOR APPLICATION NUMBER: US 09/796,498
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: PCT/US01/06666
PRIOR FILING DATE: 2001-03-01
PRIOR APPLICATION NUMBER: US 09/802,706
PRIOR FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: US 09/808,689
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: US 09/816,744
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: US 09/828,366
PRIOR FILING DATE: 2001-04-05

Wed Aug 25 15:26:11 2004

us-09-911-777b-1.rapb

Page 93

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; PRIOR APPLICATION NUMBER: US 09/854,208
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: US 09/854,280
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: US 09/866,028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 09/866,034
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: PCT/US01/17092
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 09/870,574
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: PCT/US01/17443
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: PCT/US01/17800
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US01/19692
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: PCT/US01/21066
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: PCT/US01/21735
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 383
; SEQ ID NO 98
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-223-087-98

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Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQSRLTSCIKKEEMKKECVSILPRKESPSVSSKDGKTLAATLILALSSCC 60
DB 1 MDDSTEREQSRLTSCIKKEEMKKECVSILPRKESPSVSSKDGKTLAATLILALSSCC 60
QY 61 LTVVSFYQVAALQGDILASLPAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLPAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNRKAVQGPPEVTYQDCLQIADSETPTIQGSYTFVPMILSFRGSALAE 180
DB 121 GEGNSSQNSRNRKAVQGPPEVTYQDCLQIADSETPTIQGSYTFVPMILSFRGSALAE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSLVTLLFRCIQNMPELT 240
DB 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSLVTLLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285

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RESULT 186
US-10-127-847A-24
; Sequence 24, Application US/10127847A
; Publication No. US20030119103A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel

```

```

; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zhen
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C11
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049111
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059586
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-847A-24

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Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQSRLTSCIKKEEMKKECVSILPRKESPSVSSKDGKTLAATLILALSSCC 60
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DB 61 LTVVSFYQVAALQGDILASLPAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNRKAVQGPPEVTYQDCLQIADSETPTIQGSYTFVPMILSFRGSALAE 180
DB 121 GEGNSSQNSRNRKAVQGPPEVTYQDCLQIADSETPTIQGSYTFVPMILSFRGSALAE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSLVTLLFRCIQNMPELT 240
DB 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSLVTLLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285

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RESULT 187
US-10-223-083-98
; Sequence 98, Application US/10223083
; Publication No. US20030119112A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

```

```

/ APPLICANT: DeGore, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Thomas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P33081C342
/ CURRENT APPLICATION NUMBER: US/10/175,590
/ PRIOR APPLICATION REMOVED - See file wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 265
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/
US-10-175-590-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCIKRREMKLKECVSILPRKSPSVSSKDGKLLAATLLALSCC 60
DB 1 MDDSTEREQRLTSCIKRREMKLKECVSILPRKSPSVSSKDGKLLAATLLALSCC 60
QY 61 LTVVSFQVALAQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFESPAP 120
DB 61 LTVVSFQVALAQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFESPAP 120
QY 121 GEGNSQNSRKRAVQGPETVTDCLQLADSTPTIQKGSYTFVWILSFKRGSALAE 180
DB 121 GEGNSQNSRKRAVQGPETVTDCLQLADSTPTIQKGSYTFVWILSFKRGSALAE 180
QY 181 KENKILVKEGTYFYTYQCVLYTDTKYAMGHILQKKVHVEGDELSTVTLFFCIONMPETL 240
DB 181 KENKILVKEGTYFYTYQCVLYTDTKYAMGHILQKKVHVEGDELSTVTLFFCIONMPETL 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDVTFPGALKIL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDVTFPGALKIL 285

RESULT 189
US-10-223-089-98
/ Sequence 98, Application US/10223089
/ Publication No. US20030125521A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth J.
/ APPLICANT: Marsters, Scott A.
/ APPLICANT: Pan, James
/ APPLICANT: Stephan, Jean-Philippe F.
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Wood, William I.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Ye, Weilian

```



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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: P3235P1C9
; CURRENT APPLICATION NUMBER: US/10/223,089
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 10/081,056
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/213,637
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/219,556
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: US 60/220,624
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/220,664
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: PCT/US00/20710
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/222,695
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: US 09/643,657
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US00/23522
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 98
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-223-089-98

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCCKREEMKLEKCVSILPRKESPSVRSKDGKLAATLILALSCC 60
Db 1 MDDSTEREOSRLTSCCKREEMKLEKCVSILPRKESPSVRSKDGKLAATLILALSCC 60
QY 61 LTVSVYQVAAIQDGLASIPAEIQGHAEKLPAGAGAPAGIEAPAVTAGIKIEPPAP 120
Db 61 LTVSVYQVAAIQDGLASIPAEIQGHAEKLPAGAGAPAGIEAPAVTAGIKIEPPAP 120
QY 121 GGNSSQNRNRKRAVGGPEETVTOCLQIADSEPTIOKSYTVPMLISFKRSALAE 180
Db 121 GGNSSQNRNRKRAVGGPEETVTOCLQIADSEPTIOKSYTVPMLISFKRSALAE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELIVTLFRCIQMPETL 240
Db 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELIVTLFRCIQMPETL 240
QY 241 PNNSCVSAGIAKLEBDELQIAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCVSAGIAKLEBDELQIAIPRENAQISLDGVTFFGALKL 285

RESULT 190
US-10-137-866-24
; Sequence 24, Application US/10137866
; Publication No. US20030129689A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Elvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerstlisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P33081C151
; CURRENT APPLICATION NUMBER: US/10/137,866
; PRIOR FILING DATE: 2002-05-03
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
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; PRIOR APPLICATION NUMBER: 60/059115
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; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063755
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064248
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/064809
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: 60/065166
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PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065846
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/069212
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069278
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069334
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069694
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/074092
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
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PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
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PRIOR FILING DATE: 1998-05-13
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PRIOR FILING DATE: 1998-05-15

PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086414
PRIOR FILING DATE: 1998-05-22
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PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090538
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSLTSCIKREEMKKECVSILPRKSSVSXSHGKLLAATLIALISC 60
DB 1 MDDSTERQSLTSCIKREEMKKECVSILPRKSSVSXSHGKLLAATLIALISC 60
QY 61 LTVVSFYVVALQDGLASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGKIFEP 120
DB 61 LTVVSFYVVALQDGLASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGKIFEP 120
QY 121 GEGNSSONSRRKRAVQGEETVTODCQLIADSETPTIQQSGYTFVWMLSPKGSAL 180
DB 121 GEGNSSONSRRKRAVQGEETVTODCQLIADSETPTIQQSGYTFVWMLSPKGSAL 180
QY 181 KENKLIVKETGTFYFGVGLVTDKTYAMGHILQKKYHVGEDELSTVTLFRCIOM 240
DB 181 KENKLIVKETGTFYFGVGLVTDKTYAMGHILQKKYHVGEDELSTVTLFRCIOM 240
QY 241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGVTFFGALKL 285

RESULT 191
US-10-146-726-24
; Sequence 24, Application US/10146726
; Publication No. US20030129690A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C308
CURRENT APPLICATION NUMBER: US/10/146,726
PRIORITY FILING DATE: 2002-05-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-726-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVSSXDKGLAATLILALISCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVSSXDKGLAATLILALISCC 60
QY 61 LTVVSFYQVAAIQDILASLRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAIQDILASLRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRKRKAVQGPPEVTODCLQIADSEPTIQSGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSQNSRKRKAVQGPPEVTODCLQIADSEPTIQSGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSVTLFRCTQNMPEPTL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSVTLFRCTQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 192

US-10-146-727-24
Sequence 24, Application US/10146727
Publication No. US20030129691A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C312
CURRENT APPLICATION NUMBER: US/10/146,727
PRIORITY FILING DATE: 2002-05-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-727-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVSSXDKGLAATLILALISCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVSSXDKGLAATLILALISCC 60
QY 61 LTVVSFYQVAAIQDILASLRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAIQDILASLRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRKRKAVQGPPEVTODCLQIADSEPTIQSGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSQNSRKRKAVQGPPEVTODCLQIADSEPTIQSGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSVTLFRCTQNMPEPTL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSVTLFRCTQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 193

US-10-146-788-24
Sequence 24, Application US/10146788
Publication No. US20030129693A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C322
CURRENT APPLICATION NUMBER: US/10/146,788
PRIORITY FILING DATE: 2002-05-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT

ORGANISM: Homo Sapien
US-10-146-788-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCUKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
DB 1 MDDSTEREQRLTSCUKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
QY 61 LTVVSFYQVVALQDGLASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVVALQDGLASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNRKRAVOGPEETVTDCLQIADSEPTIIGKSYTFVPMILSFRKGSALBE 180
DB 121 GEGNSSQNSRNRKRAVOGPEETVTDCLQIADSEPTIIGKSYTFVPMILSFRKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVHVFGEDELIVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVHVFGEDELIVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 194

US-10-152-380-24
Sequence 24, Application US/10152380
Publication No. US20030129694A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C937
CURRENT APPLICATION NUMBER: US/10/152,380
CURRENT FILING DATE: 2002-05-21
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-152-380-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCUKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
DB 1 MDDSTEREQRLTSCUKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
QY 61 LTVVSFYQVVALQDGLASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVVALQDGLASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

DB 61 LTVVSFYQVVALQDGLASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNRKRAVOGPEETVTDCLQIADSEPTIIGKSYTFVPMILSFRKGSALBE 180
DB 121 GEGNSSQNSRNRKRAVOGPEETVTDCLQIADSEPTIIGKSYTFVPMILSFRKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVHVFGEDELIVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVHVFGEDELIVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 195

US-10-153-934-24
Sequence 24, Application US/10153934
Publication No. US20030129695A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C412
CURRENT APPLICATION NUMBER: US/10/153,934
CURRENT FILING DATE: 2002-05-22
Prior Application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-153-934-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCUKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
DB 1 MDDSTEREQRLTSCUKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
QY 61 LTVVSFYQVVALQDGLASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVVALQDGLASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNRKRAVOGPEETVTDCLQIADSEPTIIGKSYTFVPMILSFRKGSALBE 180
DB 121 GEGNSSQNSRNRKRAVOGPEETVTDCLQIADSEPTIIGKSYTFVPMILSFRKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVHVFGEDELIVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVHVFGEDELIVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

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RESULT 196
US-10-140-807-24
; Sequence 24, Application US/10140807
; Publication No. US20030134354A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C174
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION: 2002-05-07
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-807-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERSQSRLTSCIKRREMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
DB 1 MDSTERSQSRLTSCIKRREMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGIKTFEPPAP 120
DB 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGIKTFEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPPEETVTDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPPEETVTDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAPRENAQISLDGDTFFGALKL 285

RESULT 197
US-10-140-924-24
; Sequence 24, Application US/10140924
; Publication No. US20030134355A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
```

```
APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C177
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION: 2002-05-07
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-924-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERSQSRLTSCIKRREMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
DB 1 MDSTERSQSRLTSCIKRREMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGIKTFEPPAP 120
DB 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGIKTFEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPPEETVTDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPPEETVTDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAPRENAQISLDGDTFFGALKL 285

RESULT 198
US-10-140-926-24
; Sequence 24, Application US/10140926
; Publication No. US20030134356A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

FILE REFERENCE: P3330R1C187
CURRENT APPLICATION NUMBER: US/10/140,926
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-926-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKRREMKKECVSILPRKESPVSSKDGKLLAATLLALSSCC 60
DB 1 MDSTEREQSLTSCCKRREMKKECVSILPRKESPVSSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRRAVQGEETVTDCLQLADSETPTIQGSTYFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGEETVTDCLQLADSETPTIQGSTYFVFWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNPEYL 240
QY 241 PNNCSYAGIAKLEBDELQALAPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELQALAPRENAQISLDGDTFFGALKL 285

RESULT 199

US-10-141-698-24
Sequence 24, Application US/10141698
Publication No. US20030134357A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C206
CURRENT APPLICATION NUMBER: US/10/141,698
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-698-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQSLTSCCKRREMKKECVSILPRKESPVSSKDGKLLAATLLALSSCC 60
DB 1 MDSTEREQSLTSCCKRREMKKECVSILPRKESPVSSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRRAVQGEETVTDCLQLADSETPTIQGSTYFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGEETVTDCLQLADSETPTIQGSTYFVFWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNPEYL 240
QY 241 PNNCSYAGIAKLEBDELQALAPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELQALAPRENAQISLDGDTFFGALKL 285

RESULT 200

US-10-141-702-24
Sequence 24, Application US/10141702
Publication No. US20030134358A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C208
CURRENT APPLICATION NUMBER: US/10/141,702
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-702-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKRREMKKECVSILPRKESPVSSKDGKLLAATLLALSSCC 60
DB 1 MDSTEREQSLTSCCKRREMKKECVSILPRKESPVSSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRRAVQGEETVTDCLQLADSETPTIQGSTYFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGEETVTDCLQLADSETPTIQGSTYFVFWMLSPKGSALAE 180

QY 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELIVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELIVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLT 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLT 285

RESULT 201
US-10-141-704-24
Sequence 24, Application US/10141704
Publication No. US20030134359A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C209
CURRENT APPLICATION NUMBER: US/10/141,704
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRP
ORGANISM: Homo Sapien
US-10-141-704-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTEREQRSLTSCIKKREEMKKECVSILPRKSPSVSSKDGKILAAITLLALISCC 60
DB 1 MDDSTEREQRSLTSCIKKREEMKKECVSILPRKSPSVSSKDGKILAAITLLALISCC 60
QY 61 LTVVSFYQVAALQGDPLASIRAEIQQHHAEKLPAGAGAPKAGLEBAPAVTAGIKIFEPPAP 120
DB 61 LTVVSFYQVAALQGDPLASIRAEIQQHHAEKLPAGAGAPKAGLEBAPAVTAGIKIFEPPAP 120
QY 121 GEGNSSQNSRNRKRAVQGPBEVTQDCQLIADSEPTTIQKGSYTFVFWLSPKRSALBE 180
DB 121 GEGNSSQNSRNRKRAVQGPBEVTQDCQLIADSEPTTIQKGSYTFVFWLSPKRSALBE 180
QY 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELIVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELIVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLT 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLT 285

Publication No. US20030134360A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C218
CURRENT APPLICATION NUMBER: US/10/142,421
CURRENT FILING DATE: 2002-05-09
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRP
ORGANISM: Homo Sapien
US-10-142-421-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTEREQRSLTSCIKKREEMKKECVSILPRKSPSVSSKDGKILAAITLLALISCC 60
DB 1 MDDSTEREQRSLTSCIKKREEMKKECVSILPRKSPSVSSKDGKILAAITLLALISCC 60
QY 61 LTVVSFYQVAALQGDPLASIRAEIQQHHAEKLPAGAGAPKAGLEBAPAVTAGIKIFEPPAP 120
DB 61 LTVVSFYQVAALQGDPLASIRAEIQQHHAEKLPAGAGAPKAGLEBAPAVTAGIKIFEPPAP 120
QY 121 GEGNSSQNSRNRKRAVQGPBEVTQDCQLIADSEPTTIQKGSYTFVFWLSPKRSALBE 180
DB 121 GEGNSSQNSRNRKRAVQGPBEVTQDCQLIADSEPTTIQKGSYTFVFWLSPKRSALBE 180
QY 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELIVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELIVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLT 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLT 285

RESULT 202
US-10-142-421-24
Sequence 24, Application US/10142421

US-10-142-432-24
Sequence 24, Application US/10142432
Publication No. US20030134361A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven

Wed Aug 25 15:26:11 2004

us-09-911-777b-1.rapb

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QY 61 LTVSFYQVALQGLASIRBELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
DB 61 LTVSFYQVALQGLASIRBELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
QY 121 GEGNSSQSRNKRRAVQGPETTYTORCLOLIADSEPTTQKSYTFVPMLSFKGSALAE 180
DB 121 GEGNSSQSRNKRRAVQGPETTYTORCLOLIADSEPTTQKSYTFVPMLSFKGSALAE 180
QY 181 KENKILVETGYFFTYGVLYTDKTYAMGHILQKKKVFHFGDELSTVTLFRCIQMPETL 240
DB 181 KENKILVETGYFFTYGVLYTDKTYAMGHILQKKKVFHFGDELSTVTLFRCIQMPETL 240
QY 241 PNNSCYSAGIATLEBGDELOLAIPRENAQISIDGVTPFGALKL 285
DB 241 PNNSCYSAGIATLEBGDELOLAIPRENAQISIDGVTPFGALKL 285

RESULT 206
US-10-144-994-24

/ Sequence 24, Application US/10144994
/ Publication No. US20030134364A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C257
/ CURRENT APPLICATION NUMBER: US/10/144,994
/ PRIOR FILING DATE: 2002-05-13
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
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/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059836
/ PRIOR FILING DATE: 1997-09-24
/ PRIOR APPLICATION NUMBER: 60/062250
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/062285
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/ PRIOR FILING DATE: 1997-10-17

/ PRIOR APPLICATION NUMBER: 60/062814
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/ PRIOR APPLICATION NUMBER: 60/062816
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/ PRIOR APPLICATION NUMBER: 60/063045
/ PRIOR FILING DATE: 1997-10-24
/ PRIOR APPLICATION NUMBER: 60/063082
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/ PRIOR APPLICATION NUMBER: 60/063127
/ PRIOR FILING DATE: 1997-10-24
/ PRIOR APPLICATION NUMBER: 60/063327
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/ PRIOR APPLICATION NUMBER: 60/063329
/ PRIOR FILING DATE: 1997-10-27
/ PRIOR APPLICATION NUMBER: 60/063550
/ PRIOR FILING DATE: 1997-10-28
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/ PRIOR APPLICATION NUMBER: 60/063704
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/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/064248
/ PRIOR FILING DATE: 1997-11-03
/ PRIOR APPLICATION NUMBER: 60/064809
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: 60/065186
/ PRIOR FILING DATE: 1997-11-12
/ PRIOR APPLICATION NUMBER: 60/065846
/ PRIOR FILING DATE: 1997-11-17
/ PRIOR APPLICATION NUMBER: 60/066364
/ PRIOR FILING DATE: 1997-11-21
/ PRIOR APPLICATION NUMBER: 60/066453
/ PRIOR FILING DATE: 1997-11-24
/ PRIOR APPLICATION NUMBER: 60/066511
/ PRIOR FILING DATE: 1997-11-24
/ PRIOR APPLICATION NUMBER: 60/066770
/ PRIOR FILING DATE: 1997-11-24
/ PRIOR APPLICATION NUMBER: 60/069212
/ PRIOR FILING DATE: 1997-12-11
/ PRIOR APPLICATION NUMBER: 60/069278
/ PRIOR FILING DATE: 1997-12-11
/ PRIOR APPLICATION NUMBER: 60/069334
/ PRIOR FILING DATE: 1997-12-11
/ PRIOR APPLICATION NUMBER: 60/069694
/ PRIOR FILING DATE: 1997-12-16
/ PRIOR APPLICATION NUMBER: 60/072320
/ PRIOR FILING DATE: 1998-01-23
/ PRIOR APPLICATION NUMBER: 60/073612
/ PRIOR FILING DATE: 1998-02-04
/ PRIOR APPLICATION NUMBER: 60/074086
/ PRIOR FILING DATE: 1998-02-09
/ PRIOR APPLICATION NUMBER: 60/074092
/ PRIOR FILING DATE: 1998-02-09
/ PRIOR APPLICATION NUMBER: 60/077791
/ PRIOR FILING DATE: 1998-03-12
/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/079294
/ PRIOR FILING DATE: 1998-03-25
/ PRIOR APPLICATION NUMBER: 60/079663
/ PRIOR FILING DATE: 1998-02-27
/ PRIOR APPLICATION NUMBER: 60/079728
/ PRIOR FILING DATE: 1998-03-27
/ PRIOR APPLICATION NUMBER: 60/080165
/ PRIOR FILING DATE: 1998-03-31
/ PRIOR APPLICATION NUMBER: 60/081203

PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086414
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/086430
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088730
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088741
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090538
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02

PRIOR APPLICATION NUMBER: 60/091982
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTERQSLTSCLEKREEMKKECVSILPRKESPSVSSXDKGLAATLILALISCC 60
DB 1 MDSTERQSLTSCLEKREEMKKECVSILPRKESPSVSSXDKGLAATLILALISCC 60
QY 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSQNSNKRRAVQGPFEETVTDCLQTLADSEPTIQKSYTFVFWLISFRKGSALBE 180
DB 121 GEGNSQNSNKRRAVQGPFEETVTDCLQTLADSEPTIQKSYTFVFWLISFRKGSALBE 180
QY 181 KENKILVETGYFFITVQVLYTDKTYAMGHLQKXKHVAGDELSTVTLFRCLQNNPETL 240
DB 181 KENKILVETGYFFITVQVLYTDKTYAMGHLQKXKHVAGDELSTVTLFRCLQNNPETL 240
QY 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDQVTFPALKLL 285
DB 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDQVTFPALKLL 285
RESULT 207
US-10-145-628-24
Sequence 24, Application US/10145628
Publication No. US20030134365A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlicsen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C271
CURRENT FILING DATE: US/10/145,628
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-628-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTERQSLTSCLEKREEMKKECVSILPRKESPSVSSXDKGLAATLILALISCC 60
DB 1 MDSTERQSLTSCLEKREEMKKECVSILPRKESPSVSSXDKGLAATLILALISCC 60
QY 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGPKAGLEAPAVTAGLTFEPPAP 120

QY 121 GEGNSNSRNKRAVQGPPEVTYODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
DB 121 GEGNSNSRNKRAVQGPPEVTYODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
QY 181 KENKILVKEGTGYFFIYQGVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVKEGTGYFFIYQGVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTFFGALKL 285

RESULT 208
US-10-145-746-24

Sequence 24, Application US/10145746
Publication No. US20030134366A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoyere, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C269
CURRENT APPLICATION NUMBER: US/10/145,746
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-746-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCIKKEEMKLEKCVSILPRKESPSVSSKDGKLLAATLLALSCC 60
DB 1 MDDSTEREOSRLTSCIKKEEMKLEKCVSILPRKESPSVSSKDGKLLAATLLALSCC 60
QY 61 LTVVSFYQVAAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSNSRNKRAVQGPPEVTYODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
DB 121 GEGNSNSRNKRAVQGPPEVTYODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
QY 181 KENKILVKEGTGYFFIYQGVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVKEGTGYFFIYQGVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTFFGALKL 285

RESULT 209
US-10-145-748-24

Sequence 24, Application US/10145748
Publication No. US20030134367A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoyere, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C283
CURRENT APPLICATION NUMBER: US/10/145,748
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-748-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCIKKEEMKLEKCVSILPRKESPSVSSKDGKLLAATLLALSCC 60
DB 1 MDDSTEREOSRLTSCIKKEEMKLEKCVSILPRKESPSVSSKDGKLLAATLLALSCC 60
QY 61 LTVVSFYQVAAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSNSRNKRAVQGPPEVTYODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
DB 121 GEGNSNSRNKRAVQGPPEVTYODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
QY 181 KENKILVKEGTGYFFIYQGVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVKEGTGYFFIYQGVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTFFGALKL 285

RESULT 210
US-10-145-823-24

Sequence 24, Application US/10145823
Publication No. US20030134368A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoyere, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.

```

/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C262
/ CURRENT APPLICATION NUMBER: US/10/145,823
/ PRIOR FILING DATE: 2002-05-14
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/ US-10-145-823-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MDSTEREOSTRLTSCIKRREMKLKECVSILPKRSPSVRSSDGKLLATLLALISCC 60
Db 1 MDSTEREOSTRLTSCIKRREMKLKECVSILPKRSPSVRSSDGKLLATLLALISCC 60

Cy 61 LTVVSFYQVAALQGDLLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYQVAALQGDLLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120

Cy 121 GEGNSQNSRNKRAVQGPPEETVTQDCQLIADSETPTIQGSYTFVPMILSPKGSALAE 180
Db 121 GEGNSQNSRNKRAVQGPPEETVTQDCQLIADSETPTIQGSYTFVPMILSPKGSALAE 180

Cy 181 KENKILVKETGYFFITGVQVLYTDKTYAMGHLQKKYHVHGDELSVTLFRCIQNMPELT 240
Db 181 KENKILVKETGYFFITGVQVLYTDKTYAMGHLQKKYHVHGDELSVTLFRCIQNMPELT 240

Cy 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKXL 285
Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKXL 285

RESULT 211
US-10-145-826-24
/ Sequence 24, Application US/10145826
/ Publication No. US20030134369A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C284
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/ CURRENT APPLICATION NUMBER: US/10/145,826
/ CURRENT FILING DATE: 2002-05-14
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/ US-10-145-826-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MDSTEREOSTRLTSCIKRREMKLKECVSILPKRSPSVRSSDGKLLATLLALISCC 60
Db 1 MDSTEREOSTRLTSCIKRREMKLKECVSILPKRSPSVRSSDGKLLATLLALISCC 60

Cy 61 LTVVSFYQVAALQGDLLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYQVAALQGDLLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120

Cy 121 GEGNSQNSRNKRAVQGPPEETVTQDCQLIADSETPTIQGSYTFVPMILSPKGSALAE 180
Db 121 GEGNSQNSRNKRAVQGPPEETVTQDCQLIADSETPTIQGSYTFVPMILSPKGSALAE 180

Cy 181 KENKILVKETGYFFITGVQVLYTDKTYAMGHLQKKYHVHGDELSVTLFRCIQNMPELT 240
Db 181 KENKILVKETGYFFITGVQVLYTDKTYAMGHLQKKYHVHGDELSVTLFRCIQNMPELT 240

Cy 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKXL 285
Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKXL 285

RESULT 212
US-10-145-870-24
/ Sequence 24, Application US/10145870
/ Publication No. US20030134370A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C274
/ CURRENT APPLICATION NUMBER: US/10/145,870
/ PRIOR FILING DATE: 2002-05-14
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/ US-10-145-870-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MDDSTEREOSRLTSCCLKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREOSRLTSCCLKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEAPAVTAGIKTFEPPAP 120
DB 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEAPAVTAGIKTFEPPAP 120
QY 121 GEGNSSQNSRKRRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVPMILSFKSGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVPMILSFKSGSALAE 180
QY 181 KENKILVKEGTGFYIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGFYIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285

RESULT 213

US-10-145-876-24
; Sequence 24, Application US/10145876
; Publication No. US20030134371A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C304
; CURRENT APPLICATION NUMBER: US/10/145,876
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-145-876-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCCLKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREOSRLTSCCLKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEAPAVTAGIKTFEPPAP 120
DB 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEAPAVTAGIKTFEPPAP 120
QY 121 GEGNSSQNSRKRRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVPMILSFKSGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVPMILSFKSGSALAE 180

QY 181 KENKILVKEGTGFYIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGFYIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285

RESULT 214

US-10-145-959-24
; Sequence 24, Application US/10145959
; Publication No. US20030134372A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C281
; CURRENT APPLICATION NUMBER: US/10/145,959
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-145-959-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCCLKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREOSRLTSCCLKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEAPAVTAGIKTFEPPAP 120
DB 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEAPAVTAGIKTFEPPAP 120
QY 121 GEGNSSQNSRKRRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVPMILSFKSGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGPBEETVTDCLQIADSEPTIOKGSYTFVPMILSFKSGSALAE 180
QY 181 KENKILVKEGTGFYIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGFYIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285

RESULT 215

US-10-146-724-24
; Sequence 24, Application US/10146724
; Publication No. US20030134373A1

```
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C317
/ CURRENT APPLICATION NUMBER: US/10/146,724
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-146-724-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCCKREEMKKECVSILPRKSPSVRSXKDKLAAATLLALSSCC 60
DB 1 MDDSTEREQRLTSCCKREEMKKECVSILPRKSPSVRSXKDKLAAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTGLKIFEPAP 120
QY 121 GEGNSSONSRRKRAVQGPETVTQDCLQIADSETPTIQGSTYFVPMILSPKSGALAE 180
DB 121 GEGNSSONSRRKRAVQGPETVTQDCLQIADSETPTIQGSTYFVPMILSPKSGALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 216
US-10-146-725-24
/ Sequence 24, Application US/10146725
/ Publication No. US20030134374A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
```

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/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C315
/ CURRENT APPLICATION NUMBER: US/10/146,725
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-146-725-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCCKREEMKKECVSILPRKSPSVRSXKDKLAAATLLALSSCC 60
DB 1 MDDSTEREQRLTSCCKREEMKKECVSILPRKSPSVRSXKDKLAAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTGLKIFEPAP 120
QY 121 GEGNSSONSRRKRAVQGPETVTQDCLQIADSETPTIQGSTYFVPMILSPKSGALAE 180
DB 121 GEGNSSONSRRKRAVQGPETVTQDCLQIADSETPTIQGSTYFVPMILSPKSGALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 217
US-10-146-795-24
/ Sequence 24, Application US/10146795
/ Publication No. US20030134375A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C309
/ CURRENT APPLICATION NUMBER: US/10/146,795
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
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Wed Aug 25 15:26:11 2004

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Page 109

LENGTH: 285
TYPE: PRF
ORGANISM: Homo Sapien
US-10-146-795-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLAATLTLALISCC 60
DB 1 MDDSTEREQRSLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLAATLTLALISCC 60
QY 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSNRKRAVQGPPEETVTDCLQIADSETPTIQKGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSQNSNRKRAVQGPPEETVTDCLQIADSETPTIQKGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQAIIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQAIIPRENAQISLDGVTFFGALKL 285

RESULT 218

US-10-147-495-24
Sequence 24, Application US/10147495
Publication No. US20030134376A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C371
CURRENT APPLICATION NUMBER: US/10/147,495
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRF
ORGANISM: Homo Sapien
US-10-147-495-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLAATLTLALISCC 60
DB 1 MDDSTEREQRSLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLAATLTLALISCC 60

QY 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSNRKRAVQGPPEETVTDCLQIADSETPTIQKGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSQNSNRKRAVQGPPEETVTDCLQIADSETPTIQKGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQAIIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQAIIPRENAQISLDGVTFFGALKL 285

RESULT 219

US-10-147-501-24
Sequence 24, Application US/10147501
Publication No. US20030134377A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C373
CURRENT APPLICATION NUMBER: US/10/147,501
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRF
ORGANISM: Homo Sapien
US-10-147-501-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLAATLTLALISCC 60
DB 1 MDDSTEREQRSLTSCIKKREEMKKECVSILPRKESPSVSSKDGKLAATLTLALISCC 60
QY 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSNRKRAVQGPPEETVTDCLQIADSETPTIQKGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSQNSNRKRAVQGPPEETVTDCLQIADSETPTIQKGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQAIIPRENAQISLDGVTFFGALKL 285

Db 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 220
US-10-147-504-24
Sequence 24, Application US/10147504
Publication No. US20030134378A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C372
CURRENT APPLICATION NUMBER: US/10/147,504
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-504-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKSPSVSSXDGKLAATLLALSSCC 60
Db 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKSPSVSSXDGKLAATLLALSSCC 60

QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTNGLTFEPPAP 120
Db 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTNGLTFEPPAP 120

QY 121 GEGNSQNSRKRKRAVQPEETVTDCLQIADSEPTIQGSYTFVPMILSFKRGSALEE 180
Db 121 GEGNSQNSRKRKRAVQPEETVTDCLQIADSEPTIQGSYTFVPMILSFKRGSALEE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELISVTLFRCIQNMPEYL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELISVTLFRCIQNMPEYL 240

QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 221
US-10-147-506-24
Sequence 24, Application US/10147506
Publication No. US20030134379A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C344
CURRENT APPLICATION NUMBER: US/10/147,506
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-506-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKSPSVSSXDGKLAATLLALSSCC 60
Db 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKSPSVSSXDGKLAATLLALSSCC 60

QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTNGLTFEPPAP 120
Db 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTNGLTFEPPAP 120

QY 121 GEGNSQNSRKRKRAVQPEETVTDCLQIADSEPTIQGSYTFVPMILSFKRGSALEE 180
Db 121 GEGNSQNSRKRKRAVQPEETVTDCLQIADSEPTIQGSYTFVPMILSFKRGSALEE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELISVTLFRCIQNMPEYL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELISVTLFRCIQNMPEYL 240

QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 222
US-10-147-509-24
Sequence 24, Application US/10147509
Publication No. US20030134380A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330RCJ331 US/10/147,509
CURRENT FILING DATE: 2002-05-16
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059836
PRIOR FILING DATE: 1997-09-24
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062285
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062814
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/062816
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063045
PRIOR FILING DATE: 1997-10-24
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PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063127
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063327
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063329
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063550
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063561
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063704
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063733
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063735
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063738
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064248
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064809
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065846
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453
PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/069212
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069278
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069334
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069694
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/074092
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086414
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/086430
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088730
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088741
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090538
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
DB 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSPYQVAAALQGDILASLPAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSPYQVAAALQGDILASLPAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSNRKRAVQPEETVTDCLQIADSEPTTIOGSTTFVFWMLSPFRGSALAE 180
DB 121 GEGNSSQNSNRKRAVQPEETVTDCLQIADSEPTTIOGSTTFVFWMLSPFRGSALAE 180
QY 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQRKXVHVGDELSLVTLPFCIQNNPETL 240
DB 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQRKXVHVGDELSLVTLPFCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTVFAGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTVFAGALKL 285

RESULT 223

US-10-147-510-24

Sequence 24, Application US/10147510

Publication No. US20030134381A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoige, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Tumas, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C370
CURRENT APPLICATION NUMBER: US/10/147,510
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-510-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
DB 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSPYQVAAALQGDILASLPAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSPYQVAAALQGDILASLPAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSNRKRAVQPEETVTDCLQIADSEPTTIOGSTTFVFWMLSPFRGSALAE 180
DB 121 GEGNSSQNSNRKRAVQPEETVTDCLQIADSEPTTIOGSTTFVFWMLSPFRGSALAE 180
QY 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQRKXVHVGDELSLVTLPFCIQNNPETL 240
DB 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQRKXVHVGDELSLVTLPFCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTVFAGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTVFAGALKL 285

RESULT 224

US-10-147-511-24

Sequence 24, Application US/10147511

Publication No. US20030134382A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoige, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Tumas, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C356
CURRENT APPLICATION NUMBER: US/10/147,511

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;; CURRENT FILING DATE: 2002-05-17
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 24
;; LENGTH: 285
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-147-511-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
QY 61 LTVASFYQVAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVASFYQVAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALEE 180
DB 121 GEGNSSQNSRNKRAVQPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 225

US-10-147-529-24
Sequence 24, Application US/10147529
Publication No. US20030134383A1

;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: DeForge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C33
;; CURRENT FILING DATE: 2002-05-16
;; CURRENT APPLICATION NUMBER: US/10/147,529
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 24
;; LENGTH: 285
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-147-529-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
QY 61 LTVASFYQVAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVASFYQVAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALEE 180
DB 121 GEGNSSQNSRNKRAVQPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 226

US-10-152-397-24
Sequence 24, Application US/10152397
Publication No. US20030134384A1

;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: DeForge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C380
;; CURRENT FILING DATE: 2002-05-20
;; CURRENT APPLICATION NUMBER: US/10/152,397
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 24
;; LENGTH: 285
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-152-397-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
QY 61 LTVASFYQVAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVASFYQVAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALEE 180
DB 121 GEGNSSQNSRNKRAVQPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSLVTLFRCIQNMPELT 240

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Db      181 KENKILVKEGTFPIYGVLYTDKTYAMGHLIQKKVHFVGDLSLVTLFRCIQMPETL 240
QY      241 PNNCSYAGIAXLEBDEQLAIAPRENAQISLDGVTFFGALKL 285
Db      241 PNNCSYAGIAXLEBDEQLAIAPRENAQISLDGVTFFGALKL 285

RESULT 227
US-10-153-586-24
; Sequence 24, Application US/10153586
; Publication No. US20030134365A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Mei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C413
; CURRENT APPLICATION NUMBER: US/10/153,586
; PRIOR FILING DATE: 2002-05-22
; Prior Application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-153-586-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MDDSTEREGSRILTSCLKREEMKKECVSILPKKESPSVRSSKDGKLAATLALLLSCC 60
Db      1 MDDSTEREGSRILTSCLKREEMKKECVSILPKKESPSVRSSKDGKLAATLALLLSCC 60
QY      61 LTVVSFYQVAALOGDLASLRAELQGHAEKLPAGAGAPKAGLEBAVATAGLKIFEPAP 120
Db      61 LTVVSFYQVAALOGDLASLRAELQGHAEKLPAGAGAPKAGLEBAVATAGLKIFEPAP 120
QY      121 GEGNSSONSNNKRAVQGPBEETVTQDCLQIADSEPTIQGSTTFVPMILSFRGSALE 180
Db      121 GEGNSSONSNNKRAVQGPBEETVTQDCLQIADSEPTIQGSTTFVPMILSFRGSALE 180
QY      181 KENKILVKEGTFPIYGVLYTDKTYAMGHLIQKKVHFVGDLSLVTLFRCIQMPETL 240
Db      181 KENKILVKEGTFPIYGVLYTDKTYAMGHLIQKKVHFVGDLSLVTLFRCIQMPETL 240
QY      241 PNNCSYAGIAXLEBDEQLAIAPRENAQISLDGVTFFGALKL 285
Db      241 PNNCSYAGIAXLEBDEQLAIAPRENAQISLDGVTFFGALKL 285

RESULT 228
US-10-158-786-24
; Sequence 24, Application US/10158786
; Publication No. US20030134791A1
; GENERAL INFORMATION:

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```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Mei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C458
; CURRENT APPLICATION NUMBER: US/10/158,786
; PRIOR FILING DATE: 2002-05-30
; Prior Application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-158-786-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MDDSTEREGSRILTSCLKREEMKKECVSILPKKESPSVRSSKDGKLAATLALLLSCC 60
Db      1 MDDSTEREGSRILTSCLKREEMKKECVSILPKKESPSVRSSKDGKLAATLALLLSCC 60
QY      61 LTVVSFYQVAALOGDLASLRAELQGHAEKLPAGAGAPKAGLEBAVATAGLKIFEPAP 120
Db      61 LTVVSFYQVAALOGDLASLRAELQGHAEKLPAGAGAPKAGLEBAVATAGLKIFEPAP 120
QY      121 GEGNSSONSNNKRAVQGPBEETVTQDCLQIADSEPTIQGSTTFVPMILSFRGSALE 180
Db      121 GEGNSSONSNNKRAVQGPBEETVTQDCLQIADSEPTIQGSTTFVPMILSFRGSALE 180
QY      181 KENKILVKEGTFPIYGVLYTDKTYAMGHLIQKKVHFVGDLSLVTLFRCIQMPETL 240
Db      181 KENKILVKEGTFPIYGVLYTDKTYAMGHLIQKKVHFVGDLSLVTLFRCIQMPETL 240
QY      241 PNNCSYAGIAXLEBDEQLAIAPRENAQISLDGVTFFGALKL 285
Db      241 PNNCSYAGIAXLEBDEQLAIAPRENAQISLDGVTFFGALKL 285

RESULT 229
US-10-137-870-24
; Sequence 24, Application US/10137870
; Publication No. US20030138883A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Mei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.

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Wed Aug 25 15:26:11 2004

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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C15
; CURRENT APPLICATION NUMBER: US/10/137,870
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-137-870-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCIKKEEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCIKKEEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60

QY 61 LTVVSFYQVAALQGDLSLRPAELQGHHAETLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRPAELQGHHAETLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120

QY 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTIQSGYTFVPMILSPKGSALAE 180
DB 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTIQSGYTFVPMILSPKGSALAE 180

QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 230
US-10-140-018-24
; Sequence 24, Application US/10140018
; Publication No. US20030138865A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C15
; CURRENT APPLICATION NUMBER: US/10/140,018
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
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; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-018-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCIKKEEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCIKKEEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60

QY 61 LTVVSFYQVAALQGDLSLRPAELQGHHAETLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRPAELQGHHAETLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120

QY 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTIQSGYTFVPMILSPKGSALAE 180
DB 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTIQSGYTFVPMILSPKGSALAE 180

QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 231
US-10-140-021-24
; Sequence 24, Application US/10140021
; Publication No. US20030138866A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C167
; CURRENT APPLICATION NUMBER: US/10/140,021
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-021-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCIKKEEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCIKKEEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60

QY 61 LTVVSFYQVAALQGDLSLRPAELQGHHAETLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRPAELQGHHAETLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
```

Db 61 LTVVSFYQVAALQGDLSLRAELQGHHAETLPAGAPAKAGLEBAVAVTAGKIFEPAP 120

QY 121 GEGNSQNSRNKKA VQGPBETVTQDCLQIADSEPTTIQKSYTFVPMILSFKRSALAE 180

Db 121 GEGNSQNSRNKKA VQGPBETVTQDCLQIADSEPTTIQKSYTFVPMILSFKRSALAE 180

QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPEYL 240

Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPEYL 240

QY 241 PNNSCYSAGIAXKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

Db 241 PNNSCYSAGIAXKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 232

US-10-140-471-24

Sequence 24, Application US/10140471

Publication No. US20030138887A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: Deforge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Tumanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3330R1C163

CURRENT APPLICATION NUMBER: US/10/140,471

CURRENT FILING DATE: 2002-05-06

Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 24

LENGTH: 285

TYPE: PRT

ORGANISM: Homo Sapien

US-10-140-471-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3, 2e-139; Indels 0; Gaps 0;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGRLTSCUKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

Db 1 MDDSTEREGRLTSCUKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAETLPAGAPAKAGLEBAVAVTAGKIFEPAP 120

Db 61 LTVVSFYQVAALQGDLSLRAELQGHHAETLPAGAPAKAGLEBAVAVTAGKIFEPAP 120

QY 121 GEGNSQNSRNKKA VQGPBETVTQDCLQIADSEPTTIQKSYTFVPMILSFKRSALAE 180

Db 121 GEGNSQNSRNKKA VQGPBETVTQDCLQIADSEPTTIQKSYTFVPMILSFKRSALAE 180

QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPEYL 240

Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPEYL 240

QY 241 PNNSCYSAGIAXKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

Db 241 PNNSCYSAGIAXKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 233

US-10-140-922-24

Sequence 24, Application US/10140922

Publication No. US20030138889A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: Deforge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Tumanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3330R1C179

CURRENT APPLICATION NUMBER: US/10/140,922

CURRENT FILING DATE: 2002-05-07

Prior Application removed - See Palm or File Wrapper

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 24

LENGTH: 285

TYPE: PRT

ORGANISM: Homo Sapien

US-10-140-922-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3, 2e-139; Indels 0; Gaps 0;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGRLTSCUKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

Db 1 MDDSTEREGRLTSCUKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAETLPAGAPAKAGLEBAVAVTAGKIFEPAP 120

Db 61 LTVVSFYQVAALQGDLSLRAELQGHHAETLPAGAPAKAGLEBAVAVTAGKIFEPAP 120

QY 121 GEGNSQNSRNKKA VQGPBETVTQDCLQIADSEPTTIQKSYTFVPMILSFKRSALAE 180

Db 121 GEGNSQNSRNKKA VQGPBETVTQDCLQIADSEPTTIQKSYTFVPMILSFKRSALAE 180

QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPEYL 240

Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPEYL 240

QY 241 PNNSCYSAGIAXKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

Db 241 PNNSCYSAGIAXKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 234

US-10-145-631-24

Sequence 24, Application US/10145631

Publication No. US20030138891A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: Deforge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

```

; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C273
; CURRENT APPLICATION NUMBER: US/10/145,631
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-145-631-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCUKREEMKLEKCVSILPRKESPSVRSXDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCUKREEMKLEKCVSILPRKESPSVRSXDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120

QY 121 GEGNSSQNSRNKRAVGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAXLEBDEQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAXLEBDEQLAIPRENAQISLDGDTFFGALKL 285

RESULT 235
US-10-145-633-24
; Sequence 24, Application US/10145633
; Publication No. US20030138892A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
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; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C291
; CURRENT APPLICATION NUMBER: US/10/145,633
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-145-633-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCUKREEMKLEKCVSILPRKESPSVRSXDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCUKREEMKLEKCVSILPRKESPSVRSXDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120

QY 121 GEGNSSQNSRNKRAVGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAXLEBDEQLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAXLEBDEQLAIPRENAQISLDGDTFFGALKL 285

RESULT 236
US-10-158-783-24
; Sequence 24, Application US/10158783
; Publication No. US20030138893A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C447
; CURRENT APPLICATION NUMBER: US/10/158,783
; CURRENT FILING DATE: 2002-05-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-158-783-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
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Best Local Similarity 100.0%; Pred. No. 3.2e-139; Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
Db 1 MDSTEREQRLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALOGDILASIRAELOGHHAETLPAGAGAPKAGLEBAVATAGLKIPEPPAP 120
Db 61 LTVVSFYQVAALOGDILASIRAELOGHHAETLPAGAGAPKAGLEBAVATAGLKIPEPPAP 120

QY 121 GEGNSSQNSRNRKAVOGPEETVTDCLQILADSEPTTIQKGYTFVPMILSFRGSALAE 180
Db 121 GEGNSSQNSRNRKAVOGPEETVTDCLQILADSEPTTIQKGYTFVPMILSFRGSALAE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSLVTIFRCIQNMPETL 240
Db 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSLVTIFRCIQNMPETL 240

QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 237
US-10-140-274-24
; Sequence 24, Application US/10140274
; Publication No. US20030143674A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RJC161
; CURRENT APPLICATION NUMBER: US/10/140,274
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-274-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 121 GEGNSSQNSRNRKAVOGPEETVTDCLQILADSEPTTIQKGYTFVPMILSFRGSALAE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSLVTIFRCIQNMPETL 240
Db 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSLVTIFRCIQNMPETL 240

QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 238
US-10-140-019-24
; Sequence 24, Application US/10140019
; Publication No. US20030148423A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RJC170
; CURRENT APPLICATION NUMBER: US/10/140,019
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - see file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-019-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
Db 1 MDSTEREQRLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALOGDILASIRAELOGHHAETLPAGAGAPKAGLEBAVATAGLKIPEPPAP 120
Db 61 LTVVSFYQVAALOGDILASIRAELOGHHAETLPAGAGAPKAGLEBAVATAGLKIPEPPAP 120

QY 121 GEGNSSQNSRNRKAVOGPEETVTDCLQILADSEPTTIQKGYTFVPMILSFRGSALAE 180
Db 121 GEGNSSQNSRNRKAVOGPEETVTDCLQILADSEPTTIQKGYTFVPMILSFRGSALAE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSLVTIFRCIQNMPETL 240
Db 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHILQKKVHVFGDELSLVTIFRCIQNMPETL 240

QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 239
US-10-140-022-24


```

; Sequence 24, Application US/10140022
; Publication No. US20030148424A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C159
; CURRENT APPLICATION NUMBER: US/10/140,022
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-140-022-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCUKKEEMKLEKCVSILPRKESPSVRSSKDGKTLAATLLALLSCC 60
DB 1 MDDSTEREQSRLTSCUKKEEMKLEKCVSILPRKESPSVRSSKDGKTLAATLLALLSCC 60

QY 61 LTVSFIYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFIYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 61 LTVSFIYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFIYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVAVFGDELSVTLFRCIQNPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVAVFGDELSVTLFRCIQNPETL 240

QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 240
US-10-140-861-24
; Sequence 24, Application US/10140861
; Publication No. US20030148425A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

```

```

; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C178
; CURRENT APPLICATION NUMBER: US/10/140,861
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-140-861-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCUKKEEMKLEKCVSILPRKESPSVRSSKDGKTLAATLLALLSCC 60
DB 1 MDDSTEREQSRLTSCUKKEEMKLEKCVSILPRKESPSVRSSKDGKTLAATLLALLSCC 60

QY 61 LTVSFIYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFIYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 61 LTVSFIYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFIYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVAVFGDELSVTLFRCIQNPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVAVFGDELSVTLFRCIQNPETL 240

QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 241
US-10-140-862-24
; Sequence 24, Application US/10140862
; Publication No. US20030148426A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C183
; CURRENT APPLICATION NUMBER: US/10/140,862
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm

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NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-862-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREGSRLTSCIKKEEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
DB 1 MDSTEREGSRLTSCIKKEEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDILASIRAEIOGHHAKEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASIRAEIOGHHAKEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSQNSRNKRAVQGPETVTDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPETL 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPETL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 242

US-10-141-697-24
Sequence 24, Application US/10141697
Publication No. US20030148427A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Collin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C202
CURRENT APPLICATION NUMBER: US/10/141,697
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-697-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREGSRLTSCIKKEEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
DB 1 MDSTEREGSRLTSCIKKEEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60

DB 1 MDSTEREGSRLTSCIKKEEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDILASIRAEIOGHHAKEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASIRAEIOGHHAKEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSQNSRNKRAVQGPETVTDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPETL 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPETL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 243

US-10-141-700-24
Sequence 24, Application US/10141700
Publication No. US20030148428A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Collin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C205
CURRENT APPLICATION NUMBER: US/10/141,700
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-700-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREGSRLTSCIKKEEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
DB 1 MDSTEREGSRLTSCIKKEEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDILASIRAEIOGHHAKEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASIRAEIOGHHAKEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSQNSRNKRAVQGPETVTDCLQIADSEPTTIQGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPETL 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPETL 240

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QY 241 PNNCSYSAIGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKLL 285
Db 241 PNNCSYSAIGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 244
US-10-141-705-24
; Sequence 24, Application US/10141705
; Publication No. US20030148429A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tumas, Colin K
; APPLICANT: Watanabe, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C201
; CURRENT APPLICATION NUMBER: US/10/141,705
; PRIOR APPLICATION: 2002-05-08
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-705-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTEREGSRLTSCCKKEEMKLEKCVSILPKKSPSVRSKDGKLAATLLALLSCC 60
Db 1 MDDSTEREGSRLTSCCKKEEMKLEKCVSILPKKSPSVRSKDGKLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPVAGLEAPAVTAGKTFEPPAP 120
Db 61 LTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPVAGLEAPAVTAGKTFEPPAP 120

QY 121 GEGNSSQNSRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSPKGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSPKGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNPETL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNPETL 240

QY 241 PNNCSYSAIGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKLL 285
Db 241 PNNCSYSAIGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 245
US-10-141-753-24
; Sequence 24, Application US/10141753
; Publication No. US20030148430A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen

```

```

; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tumas, Colin K
; APPLICANT: Watanabe, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C193
; CURRENT APPLICATION NUMBER: US/10/141,753
; PRIOR APPLICATION: 2002-05-08
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-753-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

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Db 1 MDDSTEREGSRLTSCCKKEEMKLEKCVSILPKKSPSVRSKDGKLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPVAGLEAPAVTAGKTFEPPAP 120
Db 61 LTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPVAGLEAPAVTAGKTFEPPAP 120

QY 121 GEGNSSQNSRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSPKGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSPKGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNPETL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNPETL 240

QY 241 PNNCSYSAIGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKLL 285
Db 241 PNNCSYSAIGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 246
US-10-141-758-24
; Sequence 24, Application US/10141758
; Publication No. US20030148431A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K

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; APPLICANT: Wood,William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C194
; CURRENT APPLICATION NUMBER: US/10/141,758
; PRIOR APPLICATION removed - 2002-05-08
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-758-24

Query Match          100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDSTEREQSLTSCCKREEMKLEKCVSILPRKSPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRABLOGHHAETLPAGAGAPKAGLEAPAVTAGKIFPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRABLOGHHAETLPAGAGAPKAGLEAPAVTAGKIFPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPETVTODCLQIADSEPTTIQKGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTODCLQIADSEPTTIQKGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAXLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAXLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 247
US-10-142-418-24
; Sequence 24, Application US/10142418
; Publication No. US2003014843A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C247
; CURRENT APPLICATION NUMBER: US/10/142,418
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
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US-10-142-418-24

Query Match          100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKLEKCVSILPRKSPSVRSXDGKLLAATLLALISCC 60
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QY 61 LTVVSFYQVAALQGDILASLRABLOGHHAETLPAGAGAPKAGLEAPAVTAGKIFPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRABLOGHHAETLPAGAGAPKAGLEAPAVTAGKIFPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPETVTODCLQIADSEPTTIQKGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTODCLQIADSEPTTIQKGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAXLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAXLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 248
US-10-142-420-24
; Sequence 24, Application US/10142420
; Publication No. US2003014843A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C235
; CURRENT APPLICATION NUMBER: US/10/142,420
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-420-24

Query Match          100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKLEKCVSILPRKSPSVRSXDGKLLAATLLALISCC 60
DB 1 MDSTEREQSLTSCCKREEMKLEKCVSILPRKSPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRABLOGHHAETLPAGAGAPKAGLEAPAVTAGKIFPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRABLOGHHAETLPAGAGAPKAGLEAPAVTAGKIFPPAP 120
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Wed Aug 25 15:26:11 2004

us-09-911-777b-1.rapb

Page 123

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QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIÖKGSYTFVPMILSFKRGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIÖKGSYTFVPMILSFKRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILÖRKXVHVFGEDELSTVTLFRCIÖNMPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILÖRKXVHVFGEDELSTVTLFRCIÖNMPETL 240
QY 241 PNNSCYSAGIAKLEBEGDELQIAIPRENAÖISLDGDVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBEGDELQIAIPRENAÖISLDGDVTFFGALKLL 285

RESULT 249
US-10-142-422-24
; Sequence 24, Application US/10142422
; Publication No. US20030148435A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330301C226
; CURRENT APPLICATION NUMBER: US/10/142,422
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-422-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDSTEREÖSRLTSCIKKREEMKLEKCVSILPRKESPSVRSXÖGKILAAATLILALISCC 60
DB 1 MDSTEREÖSRLTSCIKKREEMKLEKCVSILPRKESPSVRSXÖGKILAAATLILALISCC 60
QY 61 LTVVSFYQVAAALÖGDLASLRAELÖGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALÖGDLASLRAELÖGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIÖKGSYTFVPMILSFKRGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIÖKGSYTFVPMILSFKRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILÖRKXVHVFGEDELSTVTLFRCIÖNMPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILÖRKXVHVFGEDELSTVTLFRCIÖNMPETL 240
QY 241 PNNSCYSAGIAKLEBEGDELQIAIPRENAÖISLDGDVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBEGDELQIAIPRENAÖISLDGDVTFFGALKLL 285
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RESULT 250
US-10-142-427-24
; Sequence 24, Application US/10142427
; Publication No. US20030148436A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330301C231
; CURRENT APPLICATION NUMBER: US/10/142,427
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-427-24

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Matches 285; Conservative 0; Mismatches 0;

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DB 1 MDSTEREÖSRLTSCIKKREEMKLEKCVSILPRKESPSVRSXÖGKILAAATLILALISCC 60
QY 61 LTVVSFYQVAAALÖGDLASLRAELÖGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALÖGDLASLRAELÖGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIÖKGSYTFVPMILSFKRGSALEE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIÖKGSYTFVPMILSFKRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILÖRKXVHVFGEDELSTVTLFRCIÖNMPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILÖRKXVHVFGEDELSTVTLFRCIÖNMPETL 240
QY 241 PNNSCYSAGIAKLEBEGDELQIAIPRENAÖISLDGDVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBEGDELQIAIPRENAÖISLDGDVTFFGALKLL 285

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Job time : 88 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: August 25, 2004, 14:33:53 ; Search time 23.9899 seconds
(without alignment)
613.317 Million cell updates/sec

Title: US-09-911-777B-1
Perfect score: 1451
Sequence: 1 MDDSTERQSLTSCIKRE.....ENAGISLDGVTFGALKL 285

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
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2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
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6: /cgn2_6/ptodata/2/1aa/6D.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1451	100.0	285	3	US-09-286-529-1 Sequence 1, Appli
2	1451	100.0	285	4	US-09-589-287B-2 Sequence 2, Appli
3	1451	100.0	285	4	US-09-496-118B-1 Sequence 1, Appli
4	1451	100.0	285	4	US-09-565-423-2 Sequence 2, Appli
5	1451	100.0	285	4	US-09-879-913-23 Sequence 23, Appli
6	1451	100.0	285	4	US-09-588-947A-2 Sequence 2, Appli
7	1451	100.0	285	4	US-09-589-287B-2 Sequence 2, Appli
8	1335.5	92.0	266	4	US-09-589-287B-19 Sequence 19, Appli
9	1335.5	92.0	266	4	US-09-879-913-24 Sequence 24, Appli
10	1335.5	92.0	266	4	US-09-588-947A-19 Sequence 19, Appli
11	1335.5	92.0	266	4	US-09-589-286A-19 Sequence 19, Appli
12	1080	74.4	219	4	US-09-589-287B-28 Sequence 28, Appli
13	1080	74.4	219	4	US-09-588-947A-28 Sequence 28, Appli
14	1080	74.4	219	4	US-09-589-286A-28 Sequence 28, Appli
15	1074	74.0	219	4	US-09-589-287B-30 Sequence 30, Appli
16	1074	74.0	219	4	US-09-588-947A-30 Sequence 30, Appli
17	1074	74.0	219	4	US-09-589-286A-30 Sequence 30, Appli
18	901	62.1	174	4	US-09-496-118B-5 Sequence 5, Appli
19	793	54.7	289	4	US-09-589-287B-38 Sequence 38, Appli
20	793	54.7	289	4	US-09-588-947A-38 Sequence 38, Appli
21	793	54.7	289	4	US-09-589-286A-38 Sequence 38, Appli
22	749	51.6	145	3	US-09-286-529-21 Sequence 21, Appli
23	579	39.9	155	4	US-09-589-287B-23 Sequence 23, Appli
24	579	39.9	155	4	US-09-588-947A-23 Sequence 23, Appli
25	579	39.9	155	4	US-09-589-286A-23 Sequence 23, Appli
26	244.5	16.9	250	3	US-08-883-086-2 Sequence 3, Appli
27	244.5	16.9	250	4	US-09-565-423-3 Sequence 3, Appli

28	244.5	16.9	250	4	US-09-866-028-76 Sequence 76, Appli
29	243.5	16.8	233	4	US-10-082-260-2 Sequence 2, Appli
30	243.5	16.8	233	4	US-08-815-783-2 Sequence 2, Appli
31	243.5	16.8	233	4	US-09-879-919-2 Sequence 2, Appli
32	243.5	16.8	250	3	US-09-153-927-4 Sequence 4, Appli
33	243.5	16.8	250	4	US-09-879-919-11 Sequence 11, Appli
34	236.5	16.3	234	4	US-09-157-864-2 Sequence 2, Appli
35	236.5	16.3	247	4	US-09-157-864-2 Sequence 4, Appli
36	235.5	16.2	234	4	US-09-879-919-13 Sequence 13, Appli
37	231	15.9	46	4	US-09-496-118B-2 Sequence 2, Appli
38	229.5	15.8	205	3	US-09-286-529-5 Sequence 5, Appli
39	221.5	15.3	168	4	US-10-082-260-4 Sequence 4, Appli
40	221.5	15.3	168	4	US-08-815-783-4 Sequence 4, Appli
41	221.5	15.3	168	4	US-09-879-919-4 Sequence 4, Appli
42	213.5	14.7	147	3	US-08-883-086-3 Sequence 3, Appli
43	210	14.5	136	4	US-09-589-287B-20 Sequence 20, Appli
44	210	14.5	136	4	US-09-588-947A-20 Sequence 20, Appli
45	210	14.5	136	4	US-09-589-286A-20 Sequence 20, Appli

ALIGNMENTS

RESULT 1
US-09-286-529-1
Sequence 1, Application US/09286529
Patent No. 6297367
GENERAL INFORMATION:
APPLICANT: Catherine Tribouley
TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
FILE REFERENCE: 1408.003/200130.439CI
CURRENT APPLICATION NUMBER: US/09/286.529
CURRENT FILING DATE: 1999-04-05
NUMBER OF SEQ ID NOS: 25
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 1
LENGTH: 285
TYPE: PRT
ORGANISM: human
US-09-286-529-1

Query Match 100.0%; Score 1451; DB 3; Length 285;
Best Local Similarity 100.0%; Pred. No. 1.2e-159; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

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DB	1	MDDSTERQSLTSCIKREEMKKECVSLTPKRESVRSXDKGLAATLLALALSCC	60
CY	61	LTWVSFYQVAAALQDGLASLAELIQGHAAKLPAGAGPKGLEBAPAVTGLKIFEPAP	120
DB	61	LTWVSFYQVAAALQDGLASLAELIQGHAAKLPAGAGPKGLEBAPAVTGLKIFEPAP	120
CY	121	GGNSGNSNKAQVQPEETVTDCLQIADSEPTIOGSGYTPVWLSFRRGSALEE	180
DB	121	GGNSGNSNKAQVQPEETVTDCLQIADSEPTIOGSGYTPVWLSFRRGSALEE	180
CY	181	KENKILVKEFGYFFIYQVLYTDKTYAMGHLIQRKKYVFGDELSTVTLFRCIQNNPETL	240
DB	181	KENKILVKEFGYFFIYQVLYTDKTYAMGHLIQRKKYVFGDELSTVTLFRCIQNNPETL	240
CY	241	PNNSCYAGIAGKLEEGDELQALIPRENAQISLDGVTFFGALKL 285	
DB	241	PNNSCYAGIAGKLEEGDELQALIPRENAQISLDGVTFFGALKL 285	
RESULT 2			
US-09-589-287B-2			
Sequence 2, Application US/09589287B			
Patent No. 6403770			
GENERAL INFORMATION:			
APPLICANT: Yu et al.			
TITLE OF INVENTION: Antibodies to Neutrokin-alpha			

FILE REFERENCE: PF343P3C1
CURRENT APPLICATION NUMBER: US/09/589,287B
CURRENT FILING DATE: 2000-06-08
Prior application data removed - check PALM or file wrapper
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 285
TYPE: PRT
ORGANISM: human
US-09-589-287B-2

Query Match 100.0%; Score 1451; DB 4; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,2e-159;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVASFVQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVASFVQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFQDELSTVLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFQDELSTVLFRCIQNMPELT 240
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DB 241 PNNCSYAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 3
US-09-496-118B-1
Sequence 1, Application US/09496118B
Patent No. 6475986
GENERAL INFORMATION:
APPLICANT: Aggarwal, Bharat B.
TITLE OF INVENTION: Uses of THANK, a TNF homologue that Activates
FILE REFERENCE: D6206
CURRENT APPLICATION NUMBER: US/09/496,118B
CURRENT FILING DATE: 2000-02-01
PRIOR APPLICATION NUMBER: US 60/118,531
PRIOR FILING DATE: 1999-02-02
NUMBER OF SEQ ID NOS: 13
SEQ ID NO 1
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: amino acid sequence of THANK protein
US-09-496-118B-1

Query Match 100.0%; Score 1451; DB 4; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,2e-159;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVASFVQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVASFVQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180

DB 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFQDELSTVLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFQDELSTVLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 4
US-09-565-423-2
Sequence 2, Application US/09565423
Patent No. 6475987
GENERAL INFORMATION:
APPLICANT: Shu, Hong-Bing
TITLE OF INVENTION: TALL-1 NUCLEIC ACID MOLECULES, PROTEINS, RECEPTORS AND
FILE REFERENCE: 2879-72
CURRENT APPLICATION NUMBER: US/09/565,423
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: UNKNOWN
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: 60/132,892
PRIOR FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 285
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:primer
US-09-565-423-2

Query Match 100.0%; Score 1451; DB 4; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,2e-159;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVASFVQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVASFVQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFQDELSTVLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFQDELSTVLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 5
US-09-879-919-23
Sequence 23, Application US/09879919
Patent No. 6541224
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang, et al.
TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
FILE REFERENCE: PF253P1
CURRENT APPLICATION NUMBER: US/09/879,919
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: 60/277,978
 PRIOR FILING DATE: 2001-03-23
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/254,875
 PRIOR FILING DATE: 2000-12-13
 PRIOR APPLICATION NUMBER: 60/241,952
 PRIOR FILING DATE: 2000-10-23
 PRIOR APPLICATION NUMBER: 60/211,537
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 08/815,783
 PRIOR FILING DATE: 1997-03-12
 PRIOR APPLICATION NUMBER: 60/016,812
 PRIOR FILING DATE: 1996-03-14
 NUMBER OF SEQ ID NOS: 26
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 23
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-879-919-23

Query Match 100.0%; Score 1451; DB 4; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.2e-159;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCCKREEMKKECVSILPRKESPSVRSKDGKLAATLLALISCC 60
 DB 1 MDDSTEREOSRLTSCCKREEMKKECVSILPRKESPSVRSKDGKLAATLLALISCC 60
 QY 61 LTVVSFYQVAALQGLDASLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
 DB 61 LTVVSFYQVAALQGLDASLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
 QY 121 GEGNSSQNSRNKRAVQGPETVTQDCLQIADSETPTIQSGSTTFPWLISFRGSALEE 180
 DB 121 GEGNSSQNSRNKRAVQGPETVTQDCLQIADSETPTIQSGSTTFPWLISFRGSALEE 180
 QY 181 KENKILVETGYFFITGVQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFITGVQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
 QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 6
 US-09-588-947A-2
 Sequence 2, Application US/09588947A
 Patent No. 6562579
 GENERAL INFORMATION:
 APPLICANT: Yu et al.
 TITLE OF INVENTION: Diagnostic Methods using Antibodies to Neutrokin-alpha
 FILE REFERENCE: PF343P3C2
 CURRENT APPLICATION NUMBER: US/09/588,947A
 CURRENT FILING DATE: 2000-06-08
 PRIOR APPLICATION NUMBER: 09/588,947
 PRIOR FILING DATE: 2000-06-08
 PRIOR APPLICATION NUMBER: 09/507,968
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: 60/122,388
 PRIOR FILING DATE: 1999-03-02
 PRIOR APPLICATION NUMBER: 60/124,097
 PRIOR FILING DATE: 1999-03-12
 PRIOR APPLICATION NUMBER: 60/126,599
 PRIOR FILING DATE: 1999-03-26
 PRIOR APPLICATION NUMBER: 60/127,598
 PRIOR FILING DATE: 1999-04-02
 PRIOR APPLICATION NUMBER: 60/130,412
 PRIOR FILING DATE: 1999-04-16
 PRIOR APPLICATION NUMBER: 60/130,696
 PRIOR FILING DATE: 1999-04-23

PRIOR APPLICATION NUMBER: 60/131,278
 PRIOR FILING DATE: 1999-04-27
 PRIOR APPLICATION NUMBER: 60/131,673
 PRIOR FILING DATE: 1999-04-29
 PRIOR APPLICATION NUMBER: 60/136,784
 PRIOR FILING DATE: 1999-05-28
 PRIOR APPLICATION NUMBER: 60/142,659
 PRIOR FILING DATE: 1999-07-06
 PRIOR APPLICATION NUMBER: 60/145,824
 PRIOR FILING DATE: 1999-07-27
 PRIOR APPLICATION NUMBER: 60/167,239
 PRIOR FILING DATE: 1999-11-24
 PRIOR APPLICATION NUMBER: 60/168,624
 PRIOR FILING DATE: 1999-12-03
 PRIOR APPLICATION NUMBER: 60/171,108
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: 60/171,626
 PRIOR FILING DATE: 1999-12-23
 PRIOR APPLICATION NUMBER: 60/176,015
 PRIOR FILING DATE: 2000-01-14
 PRIOR APPLICATION NUMBER: 09/255,794
 PRIOR FILING DATE: 1999-02-23
 PRIOR APPLICATION NUMBER: 09/005,874
 PRIOR FILING DATE: 1998-01-12
 PRIOR APPLICATION NUMBER: 60/036,100
 PRIOR FILING DATE: 1997-01-14
 PRIOR APPLICATION NUMBER: PCT/US96/17957
 PRIOR FILING DATE: 1996-10-25
 NUMBER OF SEQ ID NOS: 42
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2
 LENGTH: 285
 TYPE: PRT
 ORGANISM: human
 US-09-568-947A-2

Query Match 100.0%; Score 1451; DB 4; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.2e-159;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCCKREEMKKECVSILPRKESPSVRSKDGKLAATLLALISCC 60
 DB 1 MDDSTEREOSRLTSCCKREEMKKECVSILPRKESPSVRSKDGKLAATLLALISCC 60
 QY 61 LTVVSFYQVAALQGLDASLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
 DB 61 LTVVSFYQVAALQGLDASLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
 QY 121 GEGNSSQNSRNKRAVQGPETVTQDCLQIADSETPTIQSGSTTFPWLISFRGSALEE 180
 DB 121 GEGNSSQNSRNKRAVQGPETVTQDCLQIADSETPTIQSGSTTFPWLISFRGSALEE 180
 QY 181 KENKILVETGYFFITGVQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFITGVQVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
 QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 7
 US-09-569-266A-2
 Sequence 2, Application US/09589286A
 Patent No. 6635482
 GENERAL INFORMATION:
 APPLICANT: Yu et al.
 TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokin-alpha
 FILE REFERENCE: PF343P3C3
 CURRENT APPLICATION NUMBER: US/09/589,266A
 CURRENT FILING DATE: 2002-06-08
 PRIOR APPLICATION NUMBER: 09/589,286
 PRIOR FILING DATE: 2000-06-08

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; PRIOR APPLICATION NUMBER: 09/507,968
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/122,388
; PRIOR FILING DATE: 1999-03-02
; PRIOR APPLICATION NUMBER: 60/124,097
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/126,599
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/127,598
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/130,412
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/130,696
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: 60/131,278
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131,673
; PRIOR FILING DATE: 1999-04-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
; ORGANISM: human
US-09-589-286A-2
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Query Match      100.0%; Score 1451; DB 4; Length 285;
Best Local Similarity 100.0%; Pred. No. 1.2e-159;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MDDSTEREQRSLTSCCLKREEMKLEKCVSILPRKESPSVSSKDGKLLAATLILALSSCC 60
DB 1 MDDSTEREQRSLTSCCLKREEMKLEKCVSILPRKESPSVSSKDGKLLAATLILALSSCC 60
QY 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSONSNNKRAVQGEETVITQDCQLADSETPTIQGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSONSNNKRAVQGEETVITQDCQLADSETPTIQGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKXKXHVHVGDELSLVTLEFRQIONNPETL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKXKXHVHVGDELSLVTLEFRQIONNPETL 240
QY 241 PNNSCYAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 285
```

RESULT 8

```

; Sequence 19, Application US/09589287B
; Patent No. 6403770
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Antibodies to Neutroline-alpha
; FILE REFERENCE: P343P3CI
; CURRENT APPLICATION NUMBER: US/09/589,287B
; CURRENT FILING DATE: 2000-06-08
; Prior application data removed - check PALM or file wrapper
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 266
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-589-287B-19
```

```

Query Match      92.0%; Score 1335.5; DB 4; Length 266;
Best Local Similarity 93.3%; Pred. No. 2.7e-146;
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Matches 266; Conservative 0; Mismatches 0; Indels 19; Gaps 1;
QY 1 MDDSTEREQRSLTSCCLKREEMKLEKCVSILPRKESPSVSSKDGKLLAATLILALSSCC 60
DB 1 MDDSTEREQRSLTSCCLKREEMKLEKCVSILPRKESPSVSSKDGKLLAATLILALSSCC 60
QY 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSONSNNKRAVQGEETVITQDCQLADSETPTIQGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSONSNNKRAVQGEETVITQDCQLADSETPTIQGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKXKXHVHVGDELSLVTLEFRQIONNPETL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKXKXHVHVGDELSLVTLEFRQIONNPETL 221
QY 241 PNNSCYAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 285
DB 222 PNNSCYAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 266
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RESULT 9

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US-09-879-919-24
; Sequence 24, Application US/09879919
; Patent No. 6541324
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang, et al.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
; FILE REFERENCE: P253P1
; CURRENT APPLICATION NUMBER: US/09/879,919
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,978
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/254,875
; PRIOR FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/241,952
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/211,537
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 08/815,783
; PRIOR FILING DATE: 1997-03-12
; PRIOR APPLICATION NUMBER: 60/016,812
; PRIOR FILING DATE: 1996-03-14
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 266
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-879-919-24
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Query Match      92.0%; Score 1335.5; DB 4; Length 266;
Best Local Similarity 93.3%; Pred. No. 2.7e-146;
Matches 266; Conservative 0; Mismatches 0; Indels 19; Gaps 1;
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QY 1 MDDSTEREQRSLTSCCLKREEMKLEKCVSILPRKESPSVSSKDGKLLAATLILALSSCC 60
DB 1 MDDSTEREQRSLTSCCLKREEMKLEKCVSILPRKESPSVSSKDGKLLAATLILALSSCC 60
QY 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSONSNNKRAVQGEETVITQDCQLADSETPTIQGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSONSNNKRAVQGEETVITQDCQLADSETPTIQGSYTFVPMILSPKGSALAE 161
```

QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 162 KENKILVETGYFFIYGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPELT 221
QY 241 PNNCSYAGIATLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 222 PNNCSYAGIATLEEGDELQLAIPRENAQISLDGVTFFGALKL 266

RESULT 10

US-09-588-947A-19
Sequence 19, Application US/09588947A
Patent No. 6562579
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Diagnostic Methods Using Antibodies to Neutrokine-alpha
FILE REFERENCE: PF343P3C2
CURRENT APPLICATION NUMBER: US/09/588,947A
CURRENT FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/588,947
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/136,784
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/142,659
PRIOR FILING DATE: 1999-07-06
PRIOR APPLICATION NUMBER: 60/145,824
PRIOR FILING DATE: 1999-07-27
PRIOR APPLICATION NUMBER: 60/167,239
PRIOR FILING DATE: 1999-11-24
PRIOR APPLICATION NUMBER: 60/168,624
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/171,108
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: 60/171,626
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/176,015
PRIOR FILING DATE: 2000-01-14
PRIOR APPLICATION NUMBER: 09/555,794
PRIOR FILING DATE: 1999-02-23
PRIOR APPLICATION NUMBER: 09/005,874
PRIOR FILING DATE: 1998-01-12
PRIOR APPLICATION NUMBER: 60/036,100
PRIOR FILING DATE: 1997-01-14
PRIOR APPLICATION NUMBER: PCT/US96/17957
PRIOR FILING DATE: 1996-10-25
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 19
LENGTH: 266
TYPE: PRT
ORGANISM: Homo sapiens
US-09-588-947A-19

Query Match 92.0%; Score 1335.5; DB 4; Length 266;
Best Local Similarity 93.3%; Pred. No. 2.7e-146;

Matches 266; Conservative 0; Mismatches 0; Indels 19; Gaps 1;

QY 1 MDSTEEQSRILNSCLKKREEMKKECVSILPKRESVSASSDQKLAATLILALSSC 60
DB 1 MDSTEEQSRILNSCLKKREEMKKECVSILPKRESVSASSDQKLAATLILALSSC 60
QY 61 LTVVSFYQVAAALQDGLASLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKI FEEBPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKI FEEBPAP 120
QY 121 GEGNSSQNSRNKRAVQPEETVTDCLQLADEPTPIQGSTVTFVWILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQPEETVTDCLQLADEPTPIQGSTVTFVWILSFKGSALAE 161
QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 162 KENKILVETGYFFIYGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPELT 221
QY 241 PNNCSYAGIATLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 222 PNNCSYAGIATLEEGDELQLAIPRENAQISLDGVTFFGALKL 266

RESULT 11

US-09-589-286A-19
Sequence 19, Application US/09589286A
Patent No. 6635482
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokine-alpha
FILE REFERENCE: PF343P3C3
CURRENT APPLICATION NUMBER: US/09/589,286A
CURRENT FILING DATE: 2002-06-08
PRIOR APPLICATION NUMBER: 09/589,286
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 19
LENGTH: 266
TYPE: PRT
ORGANISM: Homo sapiens
US-09-589-286A-19

Query Match 92.0%; Score 1335.5; DB 4; Length 266;
Best Local Similarity 93.3%; Pred. No. 2.7e-146;
Matches 266; Conservative 0; Mismatches 0; Indels 19; Gaps 1;

QY 1 MDSTEEQSRILNSCLKKREEMKKECVSILPKRESVSASSDQKLAATLILALSSC 60
DB 1 MDSTEEQSRILNSCLKKREEMKKECVSILPKRESVSASSDQKLAATLILALSSC 60
QY 61 LTVVSFYQVAAALQDGLASLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKI FEEBPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKI FEEBPAP 120

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QY 121 GEGNSNSNRKRAVOGPEETVQDCQLIADSETPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSNSNRKRAVOGPEET-----GSTTFVPMILSFKGSALAE 161
QY 181 KENKILVETGYEPIYQGVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNNPETL 240
DB 162 KENKILVETGYEPIYQGVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNNPETL 221
QY 241 PNNSCYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
DB 222 PNNSCYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 266

RESULT 12
US-09-589-287B-28
; Sequence 28, Application US/09589287B
; Patent No. 6403770
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Antibodies to Neutrokin-alpha
; FILE REFERENCE: PF343P3C1
; CURRENT APPLICATION NUMBER: US/09/589,287B
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION DATA REMOVED - check PALM or file wrapper
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 219
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-589-287B-28

Query Match 74.4%; Score 1080; DB 4; Length 219;
Best Local Similarity 96.3%; Pred. No. 8,5e-117;
Matches 211; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 67 YQVAALQGLDASLPRLIOGHHAETLPAGAPKAGLEAPAVTAGLKIPEPPAPGEGNSS 126
DB 1 YQVAAVQGDLSLPAELIOGHHAETLPARAPAPKAGLEAPAVTAGLKIPEPPAPGEGNSS 60
QY 127 QNSNRKRAVOGPEETVQDCQLIADSETPTIOKGSYTFVPMILSFKGSALAEKENKIL 186
DB 61 QSSNRKRAIQAEETVQDCQLIADSETPTIOKGSYTFVPMILSFKGSALAEKENKIL 120
QY 187 VKETGYEPIYQGVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNNPETLPNNSCY 246
DB 121 VKETGYEPIYQGVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNNPETLPNNSCY 180
QY 247 SAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
DB 181 SAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 219

RESULT 13
US-09-588-947A-28
; Sequence 28, Application US/09588947A
; Patent No. 6562579
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Diagnostic Methods Using Antibodies to Neutrokin-alpha
; FILE REFERENCE: PF343P3C2
; CURRENT APPLICATION NUMBER: US/09/588,947A
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 09/588,947
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 09/507,368
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/122,388
; PRIOR FILING DATE: 1999-03-02
; PRIOR APPLICATION NUMBER: 60/124,097
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/126,599
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; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/127,598
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/130,412
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/130,696
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: 60/131,278
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131,673
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/136,784
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/142,659
; PRIOR FILING DATE: 1999-07-06
; PRIOR APPLICATION NUMBER: 60/145,824
; PRIOR FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: 60/167,239
; PRIOR FILING DATE: 1999-11-24
; PRIOR APPLICATION NUMBER: 60/168,624
; PRIOR FILING DATE: 1999-12-03
; PRIOR APPLICATION NUMBER: 60/171,108
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: 60/171,626
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/176,015
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 09/255,794
; PRIOR FILING DATE: 1999-02-23
; PRIOR APPLICATION NUMBER: 09/005,874
; PRIOR FILING DATE: 1998-01-12
; PRIOR APPLICATION NUMBER: 60/036,100
; PRIOR FILING DATE: 1997-01-14
; PRIOR APPLICATION NUMBER: PCT/US96/17957
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 219
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-588-947A-28

Query Match 74.4%; Score 1080; DB 4; Length 219;
Best Local Similarity 96.3%; Pred. No. 8,5e-117;
Matches 211; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 67 YQVAALQGLDASLPRLIOGHHAETLPAGAPKAGLEAPAVTAGLKIPEPPAPGEGNSS 126
DB 1 YQVAAVQGDLSLPAELIOGHHAETLPARAPAPKAGLEAPAVTAGLKIPEPPAPGEGNSS 60
QY 127 QNSNRKRAVOGPEETVQDCQLIADSETPTIOKGSYTFVPMILSFKGSALAEKENKIL 186
DB 61 QSSNRKRAIQAEETVQDCQLIADSETPTIOKGSYTFVPMILSFKGSALAEKENKIL 120
QY 187 VKETGYEPIYQGVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNNPETLPNNSCY 246
DB 121 VKETGYEPIYQGVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNNPETLPNNSCY 180
QY 247 SAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
DB 181 SAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 219

RESULT 14
US-09-589-286A-28
; Sequence 28, Application US/09589286A
; Patent No. 6635482
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokin-alpha
; FILE REFERENCE: PF343P3C3
; CURRENT APPLICATION NUMBER: US/09/589,286A
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CURRENT FILING DATE: 2002-06-08
PRIOR APPLICATION NUMBER: 09/589,286
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,559
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,656
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
Remaining Prior Application data removed - See File Wrapper or PALM
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 28
LENGTH: 219
TYPE: PRT
ORGANISM: Homo sapiens
US-09-589-286A-28

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Query Match	74.4%	Score 1080;	DB 4;	length 219;
Best Local Similarity	96.3%	Pred. No. 8.5e-117;		
Matches 211;	Conservative	3;	Mismatches 5;	Indels 0;
				Gaps 0;

[illegible]

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RESULT 15
US-09-589-287B-30
: Sequence 30: Application US/09589287B
: Patent No. 6403770
: GENERAL INFORMATION:
: APPLICANT: Yu et al.
: TITLE OF INVENTION: Antibodies to Neurotokine-alpha
: FILE REFERENCE: PE34353C1
: CURRENT APPLICATION NUMBER: US/09/589,287B
: CURRENT FILING DATE: 2000-06-08
: Prior application data removed - check PALM or file wrapper
: NUMBER OF SEQ ID NOS: 42
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 30
: LENGTH: 219
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-09-589-287B-30

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Query Match	74.0%;	Score 1074;	DB 4;	Length 219;
Best Local Similarity	95.9%;	Pred. No. 4.2e-116;		
Matches 210;	Conservative 3;	Mismatches 6;	Indels 0;	Gaps 0;

Qy	127	QNSRNRRAVQSPBEVTVDDCLQIADSETPTIQKSYTFVFWLISFRGSLMEKENKIL	186
Db	61	QSSRNRRRAIQGAEEVTVDDCLQIADSETPTIQKSYTFVFWLISFRGSLMEKENKIL	120
Qy	187	VRESGYFFTVGVLTVDKTYAMGHLIQRKYHVEGDELSTPLTFRCIQNMPELTPNNSCY	246
Db	121	VKSTGYFFTVGVLTVDKTYAMGHLIQRKYHVEGDELSTPLTFRCIQNMPELTPNNSCY	188
Qy	247	SAGIAKLEEGDELQTLAPRENAQISLDDGVTFFGAKLKL	285
Db	181	SAGIAKLEEGDELQTLAPRENAQISLDDGVTFFGAKLKL	219

Search completed: August 25, 2004, 14:43:12
Job time : 28.9899 secs

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127 QNSHKRAVQSPBEYTDCLQLIADSEPTTQKGSYTFVPMWLSIFKSGALBEKENKIL 186
61 QSSNKRKAIQGAETTVQDCLQIADSEPTTQKGSYTFVPMWLSIFKSGALBEKENKIL 120
187 VKESGVFTTQGVLYTDKTXAMGLQKRVKVFQDELSVTLFRCLQNNPETHLPNNSCY 246
121 VKESGVFTTQGVLYTDKTXAMGLQKRVKVFQDELSVTLFRCLQNNPETHLPNNSCY 180
247 SAGIAKLEEGDEIQLAIPRENAQISLDGDVTFPGALKIL 285
181 SAGIAKLEEGDEIQLAIPRENAQISLDGDVTFPGALKIL 219

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CM protein - protein search, using sw model

Run on: August 25, 2004, 14:35:59 ; Search time 26.5303 Seconds
(without alignments)
1120.348 Million cell updates/sec

Title: US-09-911-777b-2
Perfect score: 1624
Sequence: 1 MDESAKTLPPCLCFCSKSG.....ENAOISRNQDDTFPGALTKL 309

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 283366 segs, 96191526 residues

Total number of hits satisfying chosen parameters: 283366

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: p1r1:*
2: p1r2:*
3: p1r3:*
4: p1r4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	110.5	6.8	193	2 S06192 tumor necrosis fac
2	108	6.7	235	2 I54490 tumor necrosis fac
3	105.5	6.5	185	2 S52715 tumor necrosis fac
4	105.5	6.5	235	1 QMNSN tumor necrosis fac
5	104.5	6.4	234	1 JH0529 tumor necrosis fac
6	104	6.4	235	2 JH0529 tumor necrosis fac
7	101	6.2	233	1 QMNSN tumor necrosis fac
8	96	5.9	233	1 S24642 tumor necrosis fac
9	95	5.8	234	1 A25451 tumor necrosis fac
10	93.5	5.8	234	1 J01344 tumor necrosis fac
11	92.5	5.7	1051	2 T51904 tumor necrosis fac
12	92	5.7	716	2 T39812 hypothetical prote
13	91.5	5.6	204	1 S17289 tumor necrosis fac
14	91.5	5.6	233	1 S22052 tumor necrosis fac
15	91	5.6	230	1 B85711 probable IS encode
16	90.5	5.6	441	2 D86750 sensor protein kin
17	89.5	5.5	197	1 JH0309 tumor necrosis fac
18	89.5	5.5	233	2 S11688 tumor necrosis fac
19	89.5	5.5	279	2 A53662 tumor necrosis fac
20	88.5	5.4	261	2 T38707 Fas ligand - mouse
21	88	5.4	263	1 H64069 beta-lactamase reg
22	88	5.4	841	2 T63684 probable ATP-bind
23	87	5.4	1639	1 MMFRB2 hypothetical prote
24	86.5	5.3	1015	2 T15830 hypothetical prote
25	86	5.3	737	2 A41958 hypothetical prote
26	85.5	5.2	542	2 T48488 hypothetical prote
27	85	5.2	613	2 S27770 hypothetical prote
28	84.5	5.2	635	1 WMBEW6 capsid protein - h
29	84	5.2	204	1 S24641 lymphotoxin - bovi

30	84	5.2	371	1 A43830 alanine dehydrogen
31	83.5	5.1	165	2 D91065 hypothetical prote
32	83.5	5.1	834	2 T42702 hypothetical prote
33	83	5.1	232	1 S12606 tumor necrosis fac
34	83	5.1	490	1 S04331 lipoprotein lipase
35	83	5.1	642	2 T05683 hypothetical prote
36	82.5	5.1	512	2 B91112 hypothetical prote
37	82.5	5.1	512	2 B90670 hypothetical prote
38	82.5	5.1	512	2 H90766 hypothetical prote
39	82.5	5.1	512	2 C90792 hypothetical prote
40	82.5	5.1	512	2 B90836 hypothetical prote
41	82.5	5.1	512	2 B90856 hypothetical prote
42	82.5	5.1	512	2 G90906 hypothetical prote
43	82.5	5.1	512	2 G90977 hypothetical prote
44	82.5	5.1	512	2 C91197 hypothetical prote
45	82.5	5.1	512	2 A85653 unknown protein en

ALIGNMENTS

RESULT 1

S06192 tumor necrosis factor alpha precursor - goat (fragment)
M:Alternate names: cachectin; TNF alpha
C:Species: Capra aegagrus hircus (domestic goat)
C:Date: 28-Feb-1990 #sequence_revision 28-Feb-1990 #text_change 31-Jan-2000
C:Accession: S06192; S41867
R:Goldstein, T.M., Henner, D., Talhouk, A.
Submitted to the EMBL Data Library, March 1989
A:Reference number: S06192
A:Accession: S06192
A:Molecule type: mRNA
A:Residues: 1-193 <GO>
A:Cross-references: EMBL:X14828; NID:G992; PIDN:CA32937.1; PID:G993
R:Rimstad, E.
Submitted to the EMBL Data Library, January 1994
A:Reference number: S41867
A:Accession: S41867
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 35-38, 'S', 40-78, 'A', 80-86, 'N', 90-114, 'Q', 116-123, 'D', 125-144, 'G', 145-173, 'L',
A:Cross-references: EMBL:X77317; NID:G452607; PIDN:CA54523.1; PID:G452608
C:Superfamily: Tumor necrosis factor
C:Keywords: cytokine; cytotoxin; glycoprotein; lymphokine; macrophage; membrane protein
F:42/Binding site: carbohydrate (Ser) (covalent) #status predicted
F:106-138/Disulfide bonds: #status predicted

Query Match 6.8%; Score 110.5; DB 2; Length 193;
Best Local Similarity 23.3%; Pred. No. 0.024;
Matches 50; Conservative 38; Mismatches 84; Indels 43; Gaps 11;

QY	108	LTPAPRPHNSRGHNRRAFGPEETEDVDLSAPPA---FCJPGGRHSQHDNGNLR	164
DB	8	LTPAA-----LRGR-----PREEQS---PAGSPRPVLQTLRSSQASNNPVA	51
QY	165	NIIDCLQINDSTPIIRKGTTFVFWMLSPKGNLBEKENKIVRQGYFFIYQVL	224
DB	52	HV-----VANISAP-----GQLRWGDSYANALKANVELEKDNOLVPTDGLVLYISQVL	100
QY	225	Y-----TDFPANGHYORKVAVFQDELVLTLFR--CIQNPXKLPN---NSCYSAG	273
DB	101	FRGAGCEPPLP-LTHISRAVS-YQTKNIIAISPCRRFPEBAKWPYPIQGG	158
QY	274	IARLEGDDEICLAIPRENAQISRNQDDTFPGALTKL	308
DB	159	VFOLEKGRISAETINOPEYLDVAESGVYFGIALL	193

RESULT 2

I54490 tumor necrosis factor alpha precursor - white-footed mouse
C:Species: Peromyscus leucopus (white-footed mouse)

C>Date: 02-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 04-Feb-2000
 C/Accession: 154490
 R/Crew, M.D.; Filipowicz, M.E.
 Immunogenetics 35, 351-353, 1992
 A>Title: Sequence of the tumor necrosis factor/cachectin (TNF) gene from *Peromyscus leucopus*
 A/Reference number: 154490; MUID:92218012; PMID:1348497
 A/Accession: 154490
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: DNA
 A/Residues: 1-235 <RES>
 A/Cross-references: GB:M59233; NID:g202506; PIDN:AAA40596.1; PID:g202507
 C/Genetics:
 A/Gene: TNF
 A/Intons: 62/3; 81/1; 97/1
 C/Superfamily: tumor necrosis factor
 C/Keywords: glycoprotein, lipoprotein, myristylation
 F/19/20/Binding site: myristate (lys) (covalent) #status predicted
 F/84/Binding site: carbohydrate (Ser) (covalent) #status predicted

Query March 6.7%; Score 108; DB 2; Length 235;
 Best Local Similarity 24.6%; Pred. No. 0.05; Mismatches 39; Indels 38; Gaps 9;
 Matches 35; Conservative 30; Mismatches 39; Indels 38; Gaps 9;

QY 192 WLSPKRG-----NALEKENKIVKQGYFFIYQVLY---TDPFAMGHVIGRKVY 241
 Db 107 WL---SRGAVALLANGMDLKDNOQVLPADGLVLYSCVLFKGGCCSSVYLTFHTVGRFAY 163
 QY 242 HVFCEDELIVTFRICINMKETLPNNS-----CYSAGIALREGDEL--QLAIR-- 289
 Db 164 S-YEDKNLLSAIK--SPCKETPEGSELKPMVEPIYLGAVFOLKGRDLSAEVNLPKYL 220
 QY 290 ---ENAGISNNDTPFGALKL 308
 Db 221 DPAESGV-----YFGVIAL 235

RESULT 3
 552715
 tumor necrosis factor alpha precursor - bovine (fragment)
 C/Species: Bos primigenius taurus (cattle)
 C/Date: 19-May-1995 #sequence_revision 21-Jul-1995 #text_change 04-Feb-2000
 C/Accession: 552715
 R/Mertens, B.; Gaidulis, L.
 Submitted to the EMBL Data Library, March 1995
 A/Description: Cloning and sequence analysis of cDNAs encoding bovine CD40 ligand and bc
 A/Reference number: 552715
 A/Accession: 552715
 A/Status: preliminary
 A/Molecule type: mRNA
 A/Residues: 1-185 <MER>
 A/Cross-references: EMBL:Z48808; NID:g755701; PIDN:CAA8743.1; PID:g755702
 C/Superfamily: tumor necrosis factor
 C/Keywords: glycoprotein
 F/33/Binding site: carbohydrate (Ser) (covalent) #status predicted
 F/97-129/Distulfide bonds: #status predicted

Query March 6.5%; Score 105.5; DB 2; Length 185;
 Best Local Similarity 20.9%; Pred. No. 0.063; Mismatches 82; Indels 25; Gaps 7;
 Matches 40; Conservative 44; Mismatches 82; Indels 25; Gaps 7;

QY 130 GPEETEDVDLSPAPACPLPGCHSGHNDGKMLRNIOCLQLIDSPTRKQTYF 189
 Db 8 GPQREBSPGSPSINSIVQTLASSSSGASNKRVAAH-----VADINSFGQLRWMDY 60
 QY 190 VPMWLSFKGNALBEKENKIVKQGYFFIYQVLY---TDPFAMGHVIGRKVY 243
 Db 61 ANALMA---NGVLEEDNOLVVPADGLVLYSCVLFKGGCCSSVYLTFHTVGRFAY 114
 QY 244 FGEELISVTLFR---CIQNMKETLP---NNSCVSAGIARFEEDEQLAIPRENAISN 297
 Db 115 YQTVNLISAIKSPCHRETPEMAKPWEPIYLGAVFOLKGRDLSAEVNLPKYL 174
 QY 298 GDDTFFGALKL 308

Db 175 SGQVYFGIAL 185

RESULT 4
 OMNSN
 tumor necrosis factor alpha precursor - mouse
 N/Alternate names: cachectin, TNF alpha
 C/Species: Mus musculus (house mouse)
 C/Date: 31-Mar-1988 #sequence_revision 31-Mar-1988 #text_change 04-Feb-2000
 C/Accession: A22908; S03791; A27303; A25164; A23127; A34251; I59058; A36696
 R/Shihata, T.; Shimizu, N.; Shiojiri, S.; Horiguchi, S.; Ito, H.
 DNA 7, 193-201, 1988
 A>Title: Cloning and expression in *Escherichia coli* of the gene for mouse tumor necrosis
 A/Reference number: A22908; MUID:88224564; PMID:2836146
 A/Accession: A22908
 A/Molecule type: DNA
 A/Residues: 1-235 <SH>
 A/Cross-references: GB:M20155
 R/Shahov, A.N.; Nedospasov, S.A.
 Bioorg. Khim. 13, 701-705, 1987
 A>Title: Molecular cloning of the genes coding for tumor necrosis factors: complete nucle
 A/Reference number: S03791; MUID:87298639; PMID:3040015
 A/Accession: S03791
 A/Molecule type: DNA
 A/Residues: 1-235 <SHA>
 A/Cross-references: GB:M3296; NID:g202086; PIDN:AAA40459.1; PID:g202087
 A/Note: article in Russian with English abstract
 R/Seman, D.; Kawashima, E.; Jongeneel, C.V.; Shakhov, A.N.; Nedospasov, S.A.
 Nucleic Acids Res. 15, 9083-9084, 1987
 A>Title: Nucleotide sequence of the murine TNF locus, including the TNF-alpha (tumor necr
 A/Reference number: A36679; MUID:88067722; PMID:3684584
 A/Accession: A27303
 A/Molecule type: DNA
 A/Residues: 1-235 <SEM>
 A/Cross-references: GB:Y00467; NID:g54830; PIDN:CAA69330.1; PID:g54832
 R/Pennica, D.; Hayflick, J.S.; Bringham, T.S.; Palladino, M.A.; Goeddel, D.V.
 Proc. Natl. Acad. Sci. U.S.A. 82, 6060-6064, 1985
 A>Title: Cloning and expression in *Escherichia coli* of the cDNA for murine tumor necrosis
 A/Reference number: A25164; MUID:85298296; PMID:3898078
 A/Accession: A25164
 A/Molecule type: mRNA
 A/Residues: 1-235 <PEN>
 A/Cross-references: GB:M1171; NID:g202084; PIDN:AAA40458.1; PID:g202085
 R/Franzen, U.; Muller, R.; Marmenout, A.; Tavernier, J.; van der Heyden, J.; Kawashima, E
 Nucleic Acids Res. 13, 4417-4429, 1985
 A>Title: Molecular cloning of mouse tumor necrosis factor cDNA and its eukaryotic expres
 A/Reference number: A23127; MUID:85242112; PMID:2989794
 A/Accession: A23127
 A/Molecule type: mRNA
 A/Residues: 1-235 <FRA>
 A/Cross-references: GB:X02611; NID:g54844; PIDN:CAA26457.1; PID:g54845
 R/Cseh, K.; Beutler, B.
 J. Biol. Chem. 264, 16256-16260, 1989
 A>Title: Alternative cleavage of the cachectin/tumor necrosis factor propeptide results i
 A/Reference number: A34251; MUID:89380231; PMID:2777790
 A/Accession: A34251
 A/Molecule type: protein
 A/Residues: 70-87 <CSE>
 R/Caput, D.; Beutler, B.; Hartog, K.; Thayer, R.; Brown-Shimer, S.L.; Cerami, A.
 Proc. Natl. Acad. Sci. U.S.A. 83, 1670-1674, 1986
 A>Title: Identification of a common nucleotide sequence in the 3'-untranslated region of
 A/Reference number: I59058; MUID:66149365; PMID:2419912
 A/Accession: I59058
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: mRNA
 A/Residues: 1-230, 'R', 232-235 <RES>
 A/Cross-references: GB:M3049; NID:g202082; PIDN:AAA40457.1; PID:g202083
 R/Sherry, B.; Jue, D.M.; Zentella, A.; Cerami, A.
 Biochem. Biophys. Res. Commun. 173, 1072-1078, 1990
 A>Title: Characterization of high molecular weight glycosylated forms of murine tumor nec
 A/Reference number: A36696; MUID:91097531; PMID:2286312
 A/Accession: A36696

A:Molecule type: protein
A:Residues: 80-85,'X','87-99 <SHE>
C:Genetics: 62/3, 81/1, 97/1
A>Note: the first intron occurs in the 5'-untranslated region
C:Superfamily: tumor necrosis factor
C:Keywords: cytokine; cytotoxicin; glycoprotein; lipoprotein; lymphokine; macrophage; membrane
F:80-235/Product: tumor necrosis factor #status experimental <MAT>
F:92/Binding site: myristate (Lys) (covalent) #status predicted
F:88/Binding site: carbohydrate (Ser) (covalent) #status predicted
F:86/Binding site: carbohydrate (Asn) (covalent) #status predicted
F:148-179/Dissulfide bonds: #status predicted

Query Match 6.5%; Score 105.5; DB 1; Length 235;
Best Local Similarity 22.8%; Pred. No. 0.084;
Matches 43; Conservative 43; Mismatches 56; Indels 47; Gaps 12;

QY 155 QHDD---NGNNLRNIQDCLQLADSDPTTRKGYTF-----VPMILSPFGNAL- 202
Db 59 QRDKEPENGPIPLISMAGTLITLRSSQNSDPVAHVAVNQEVEOLEWL--SQRAVAL 116
QY 203 -----EEKENKIIVBOTGFFTYFSQVLTYTD--PIFA-MGHVIQRKHVFEGDELSVTLF 254
Db 117 ANGMGLDNQVLVPADGSLYLVSQVLFKGQCCEPDVLLTHVVSFALS-YEKNNLLSAV 175
QY 255 RCIONMPPTLPNNNS-----CYSAGIARLESGDEI-QLAIFR----ENAQISRNND 299
Db 176 K-SPCPKDTPEGAEIKPWEPFIYLGVGVLQEKGDQLSAEVLNPKYLDFASSGV----- 228
QY 300 DTFGALKL 308
Db 229 --YFGVAL 235

RESULT 5
JH0529
tumor necrosis factor alpha precursor - sheep
N/Alternate names: cachectin; TNF alpha
C/Species: Ovis orientalis aries; Ovis ammon aries (domestic sheep)
C/Date: 10-Sep-1999 #sequence revision 10-Sep-1999 #text_change 04-Feb-2000
C/Accession: JH0529; S48118; S13114; S20661
R/Green, I.R.; Sargan, D.R.
Gene 109, 203-210, 1991
A>Title: Sequence of the cDNA encoding ovine tumor necrosis factor-alpha: problems with
A:Reference number: JH0529; WUID:92112044; PMID:1765267
A:Accession: JH0529
A:Molecule type: mRNA
A:Residues: 1-234 <GRE>
A:Cross-references: EMBL:X55152; NID:g1405; PIDN:CAA38952.1; PID:g1406
A:Experimental source: alveolar macrophage
R/Nash, A.D.; Barcham, G.J.; Brandon, M.R.; Andrews, A.E.
Immunol. Cell Biol. 69, 273-283, 1991
A>Title: Molecular cloning, expression and characterization of ovine TNF-alpha.
A:Reference number: S48118; WUID:92155784; PMID:1786996
A:Accession: S48118
A>Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-234 <NAS>
A:Cross-references: EMBL:X56756; NID:g297806; PIDN:CAA40076.1; PID:g297807
R/Young, A.U.; Hay, J.B.; Chan, J.Y.C.
Nucleic Acids Res. 18, 6723, 1990
A>Title: Primary structure of ovine tumor necrosis factor alpha cDNA.
A:Note: comparison with the introns of homologous sequences suggest that this is probab
C:Superfamily: tumor necrosis factor
C:Keywords: alternative splicing; cytokine; cytotoxin; glycoprotein; lipoprotein; lympho
F:1-77/Domain: propeptide #status predicted <PRO>
F:78-234/Product:tumor necrosis factor alpha #status predicted <TM>

```

F;20/Binding site: myristate (Lys) (covalent) #status predicted
F;82/Binding site: carboxylate (Ser) (covalent) #status predicted
F;96/Binding site: carboxylate (Asn) (covalent) #status predicted
F;146-178/Disulfide bonds: #status predicted

Query Match          6.4%, Score 104.5; DB 1; Length 234;
Best Local Similarity 23.6%; Pred. No. 0.1;
Matches 47; Conservative 43; Mismatches 68; Indels 41; Gaps 13;

OY 130 GPESTEDVDLSAPPA---PCLPGCRHSQHDDNGMNNIITDCLADSDPTIRKGT 186
DB 57 GPOREES---PAPSPFNPFLVQTLRSSSQASNKPVAHV-----VANISAPGQLRWG 106
OY 187 YTFPFWLLSFRGNALKEENKIVRCQGYFFIYSQVY-----TDPIFANGHVIOARK 240
DB 107 DSYANALMA-----NGVELKMDQNLVPTDGLVLYSQVLFRRHGCPSTPLF-LTHRTSRIA 161
OY 241 VHFGEDELSTVTLFR--CIQNNPKTLFN-----NSCSAGIALBESDEL--QLAIR 289
DB 162 VS-VQTKNNILSAIKSPCHR--ETLGEAKAKPWYEPYIQGVFOLEKDRLSABNLPL 216
OY 290 ENAQISRNQDDTFEGALKI 308
DB 217 EYLDYAESG-QVYRQIIDL 234

RESULT 6
JU00029
tumor necrosis factor alpha precursor - rat
M:Alternate names: cachectin; TNF alpha
C:Species: Rattus norvegicus (Norway rat)
C:Date: 07-Jun-1990 #sequence revision 07-Jun-1990 #text_change 04-Feb-2000
C:Accession: JU00029; JN08688; S21674
R:Shitai, T.; Shimizu, N.; Horiguchi, S.; Ito, H.
Agric. Biol. Chem. 53, 1733-1736, 1989
A:Title: Cloning and expression in Escherichia coli of the gene for rat tumor necrosis factor
A:Reference number: JU00029
A:Accession: JU00029
A:Molecule type: DNA
A:Residues: 1-235 (SHL)
R:Kwon, J.; Chung, I.Y.; Benveniste, E.N.
Gene 132, 227-236, 1993
A:Title: Cloning and sequence analysis of the rat tumor necrosis factor-encoding genes.
A:Reference number: JN0868; MUID:94040766; PMID:8224868
A:Accession: JN0868
A:Molecule type: DNA
A:Residues: 1-235 (KMO)
C:Cross-references: GB:I00981; NID:9205253; PIDN:AAA16275.1; PID:9205254
R:Restler, H.C.; Grewe, M.; Gaussling, R.; Pavlovic, M.; Decker, K.
Biol. Chem. Hoppe-Seyler 373, 271-281, 1992
A:Title: Rat tumor necrosis factor-alpha. Transcription in rat Kupffer cells and in vitro
A:Reference number: S21674; MUID:92329007; PMID:1627266
A:Accession: S21674
A:Molecule type: mRNA
A:Residues: 1-38,'P',40-162,'T',164-201,'S',203-225 <EST>
A:Cross-references: GB:X6539; GB:S40199; NID:9395369; PIDN:CAA47146.1; PID:9395370
C:Comment: Tumor necrosis factor is secreted by macrophages in response to endotoxin and
C:Genetics:
A:Gene: TNF-alpha
A:Antons: 62/3; 81/1; 97/1
C:Superfamily: tumor necrosis factor
C:Keywords: cytokine; cytotoxin; glycoprotein; lipoprotein; lymphokine; macrophage; memb
F;80-235/Product: tumor necrosis factor #status predicted <MTR>
F;19.20/Binding site: myristate (Lys) (covalent) #status predicted
F;84/Binding site: carboxylate (Ser) (covalent) #status predicted
F;86/Binding site: carboxylate (Asn) (covalent) #status predicted
F;148-179/Disulfide bonds: #status predicted

Query Match          6.4%; Score 104; DB 2; Length 235;
Best Local Similarity 24.3%; Pred. No. 0.1;
Matches 43; Conservative 38; Mismatches 62; Indels 34; Gaps 11;

159 NGNNLNIITDCLADSDPTIRKGT-----VFWLLSFRGNAL-----EEK 205

```

[illegible]

A>Title: O-Glycosylated species of natural human tumor necrosis factor-alpha.
A/Reference number: 562610; MUID:96202967; PMID:8631363
A/Accession: 562610
A:Molecule type: protein
A:Residues: 77-99 <TR>
R:D'Alfonso, S.; Richiardi, P.M.
Immunogenetics 39, 150-154, 1994
A>Title: A polymorphic variation in a putative regulation box of the TNFA promoter region
A/Reference number: 154522; MUID:94102805; PMID:77903959
A/Accession: 154522
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-8 <DAL>
A/Cross-references: GB:568530; NID:9544751
R:Stevenson, F.T.; Bursten, S.L.; Locksley, R.M.; Lovett, D.H.
J. Exp. Med. 176, 1053-1062, 1992
A>Title: Myristyl acylation of the tumor necrosis factor alpha precursor on specific lysine
A/Reference number: A59163; MUID:93018820; PMID:1402651
A/Contents: annotation; identification of myristylated lysines
R:Kigarrwal, B.B.; Kohr, W.J.; Hase, P.E.; Moffat, B.; Spencer, S.A.; Henzel, W.J.; Bringle
J. Biol. Chem. 260, 2345-2354, 1985
A>Title: Human tumor necrosis factor. Production, purification, and characterization.
A/Reference number: A92511; MUID:8510974; PMID:3871770
A/Contents: annotation; disulfide bond
C/Comment: Secreted from mitogen-activated macrophages within 4-24 hours after induction, out detriment to normal cells. It can also act synergistically with interferon gamma to
C/Comment: TNF-alpha and -beta (lymphotoxin) are the products of different genes closely
ut are produced by different cell types and have different induction kinetics.
C:Genetics:
A:Gene: GDB:TNF; TNFA
A/Cross-references: GDB:120441; OMIM:191160
A:Map position: 6p21.3-6p21.3
A:Introns: 62/3; 78/1; 94/1
C:Complex: homotrimer
C:Superfamily: tumor necrosis factor
C:Keywords: cytokine; cytotoxin; glycoprotein; homotrimer; lipoprotein; lymphokine; macro
F:1-76/Domain: propeptide #status: predicted <PRO>
F:77-233/Product: tumor necrosis factor #status: experimental <MA>
F:19,20/Binding site: myristate (lys) (covalent) #status: experimental
F:81/Binding site: carboxylate (Ser) (covalent) (partial) #status: experimental
F:145-177/Disulfide bonds: #status: experimental

Query Match 6.2%; Score 101; DB 1; Length 233;
Best Local Similarity 23.4%; Pred. No. 0.21; 78; Indels 38; Gaps 10;
Matches 46; Conservative 35; Mismatches

QY 130 GP--ETEQDVLISAPAPCLPGCRHSQHPDMMNLNRIIDQLIADSDPTIRKGY 187
Db 57 GQREPRRDLISLPLAQAVSSSRTPSD-----KPAHVAVNQA---EGQ- 101
QY 188 TFVPLLLSPKRGNAL-----EKENKIYVRQGYPIFYQVLY-----TDPTRAMGHVQ 237
Db 102 --LQWL--NRRNALLANGVELLRDQLVVPSEGLYLIYQVLFKGGCGPSTHVLTRHTIS 157
QY 238 RKKYVFEDELDELVLFLR--CIQNMPTLPNNSSCVS---AGIARLEEGEIGLAIPIREN 291
Db 158 RIAVS-YQTKVNLIAISPCQRETFEGAKAPCWTEPIYLGVGFOLFKGRLSAELNRPD 216
QY 292 AQISRNQDDTFPGALKL 308
Db 217 YLDFAESGVYFGITAL 233

RESULT 8
C24642
C:Species: Bos primigenius taurus (cattle)
C:Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 04-Feb-2000
C:Accession: 146047; S24642
R:Cludts, I.; Cleuter, Y.; Kettmann, R.; Burny, A.; Droogmans, L.
Cytokine 5, 336-341, 1993
A>Title: Cloning and characterization of the tandemly arranged bovine lymphotoxin and tur
A/Reference number: 146046; MUID:94083525; PMID:8260599

A:Accession: 146047
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-233 <Cl2>
A:Cross-references: EMBL:Z14137, NID:g796, PIDN:CAA78511.1, PID:g798
C:Genetics:
A:Gene: TNFA
A:Introns: 62/3; 78/1; 94/1
C:Superfamily: tumor necrosis factor
C:Keywords: glycoprotein, lipoprotein, myristylation, transmembrane protein
F:20/Binding site: myristate (Lys) (covalent) #status predicted
F:81/Binding site: carboxylate (Ser) (covalent) #status predicted
F:145-177/Disulfide bonds: #status predicted

Query Match 5.9%, Score 96; DB 1; Length 233;
Best Local Similarity 22.3%; Pred. No. 0.58;
Matches 33; Conservative 37; Mismatches 60; Indels 18; Gaps 6;

QY 173 LIASDPTPIKGYTTFPWLISFKGNALEEKNIYVROTGFFIYSQLY-----T 226
Db VVAADINPGQLRWDSYANALMA---NGVLEINQVLVPADGLIYLSQYLFPGGQCP 147
QY 227 DIPAMGVIOIRKKVHGFDELSTVTLFR---CIONPEKTLR---NNSCSAGIARLEEG 280
Db TPL-LIHITIRIVS-YQTKNILSAKSCHEETPEMAKWPYEPIYGGVFOLEKG 205
QY 281 DEIQLAIPRENAQISRNGDTFFGALKY 308
Db DRLSAEINLPDYLDYAESGQVYFGIAL 233

RESULT 9
A25451
N:Alternate names: cachectin, TNF alpha
C:Species: Oryctolagus cuniculus (domestic rabbit)
C>Date: 10-Sep-1999 #sequence revision 10-Sep-1999 #text_change 04-Feb-2000
C:Accession: A25454; A25451; T50727
R:Itto, H.; Yamamoto, S.; Kuroda, S.; Sakamoto, H.; Kajihara, J.; Kiyota, T.; Hayashi, H.
DNA 5, 149-156, 1986
A:Title: Molecular cloning and expression in *Escherichia coli* of the cDNA coding for rabbit tumor necrosis factor
A:Reference number: A25454, MUID:86219711, PMID:3519137
A:Accession: A25451
A:Molecule type: mRNA
A:Residues: 1-234 <IT0>
A:Cross-references: GB:M2845; NID:g165759; PIDN:AAA31486.1; PID:g165760
R:Itto, H.; Shirai, T.; Yamamoto, S.; Akira, M.; Kawahara, S.; Todd, C.W.; Wallace, R.B.
DNA 5, 157-165, 1986
A:Title: Molecular cloning of the gene encoding rabbit tumor necrosis factor.
A:Reference number: A25451, MUID:86219712, PMID:3519138
A:Accession: A25451
A:Molecule type: DNA
A:Residues: 1-234 <IT2>
A:Note: this sequence differs from that shown in having a Gln inserted between residues Gene 95, 215-221, 1990
R:Shakhov, A.N.; Kudrsh, D.V.; Azzov, M.M.; Jongeneel, C.V.; Nedospaev, S.A.
A:Title: Structural analysis of the rabbit TNF locus, containing the genes encoding TNF A:Reference number: JH0309, MUID:91065534, PMID:2249779
A:Accession: J50727
A:Status: nucleic acid sequence not shown; translation not shown
A:Molecule type: DNA
A:Residues: 1-62, 'O' 63-234 <SHA>
A:Cross-references: GB:M60340; GB:M35326; NID:g165754; PIDN:AAA31484.1; PID:g165756
C:Genetics:
A:Introns: 62/3; 80/1; 96/1
C:Superfamily: tumor necrosis factor
C:Keywords: cytokine, cytokotin, glycoprotein, lipoprotein, lymphokine, macrophage; membrane
F:1-81/Domains: propeptide #status predicted <PRO>
F:82-234/Product: tumor necrosis factor #status predicted <MAT>
F:19, 20/Binding site: myristate (Lys) (covalent) #status predicted
F:83/Binding site: carboxylate (Ser) (covalent) #status predicted
F:147-178/Disulfide bonds: #status predicted

Query Match 51; Conservative 42; Mismatches 77; Indels 68; Gaps 13;
Best Local Similarity 21.4%; Pred. No. 0.71;
Matches 51; Conservative 42; Mismatches 77; Indels 68; Gaps 13;

5.8%; Score 95; DB 1; Length 234;

Query 132 EETQDVLDLSPAPV-----CLPGCR---HSQHD 157
Db 4 ESMIRVDVLAEGPLPKKAGPGQSKRCCLSLFSEFLVAGATTLFGLHPRVIGPOEES 63
158 DNGWNLRIIQQDCQL-----IADSDPTIR-----KATYFVPMLLSPKRGAL----- 202
Db 64 PNNHLVNPVQWYTLRSASRLSDKPLAHVYANPQVSGQ---LQWL---SQRNALLANG 118
203 -EEKENKIVAEQOTGYFFIYSCVLYTD---PIFANGHVIQKKVHVFGEDELIVTLFR-- 255
Db 119 MKLTDNQLVVPADGLHYLYSVLFSGQGRSVYLLTHTVSRFAVS-YPNKVNLLSAIKSP 177
Cy 256 CIQNMKPLPNNKSCS---AGIARLEBDEIQLAIPR-ENNAQISNGDDTFGALKL 308
Db 178 CHRETFEAEPMWAEPIYLGQVFLQEKGRSLTEVNOPEYLDLASEG-QVYFGIALL 234

RESULT 10

Q01344
tumor necrosis factor alpha precursor - horse
N:Alternate names: cachectin; TNF alpha
C:Species: Equus caballus (domestic horse)
C:Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 04-Feb-2000
C:Accession: J01344
R:Su. X.; Morris, D.D.; McGraw, R.A.
Gene 107, 319-321, 1991
A:Title: Cloning and characterization of gene TNF alpha encoding equine tumor necrosis factor
A:Reference number: J01344; MUID:92084125; PMID:1748301
A:Accession: J01344
A:Molecule type: DNA
A:Residues: 1-234 <SU>
C:Cross-references: GB:M64087; NID:9164244; PIDN:AAA0959.1; PID:9164245
C:Comment: This protein is an important proximal mediator of endotoxemia.
C:Genetics:
A:Gene: TNF-alpha
A:Introns: 62/3; 79/1; 95/1
C:Superfamily: tumor necrosis factor
C:Keywords: cytokine; cyclooxin; glycoprotein; lipoprotein; lymphokine; macrophage; membrane; myristate (Lys) (covalent) #status predicted
F:19/20/Binding site: myristate (Lys) (covalent) #status predicted
F:18/2/Binding site: carbohydrate (Ser) #status predicted
F:146-178/Disulfide bonds: #status predicted

Query Match 51; Conservative 42; Mismatches 77; Indels 68; Gaps 13;
Best Local Similarity 22.7%; Pred. No. 0.97; Mismatches 49; Gaps 10;
Matches 46; Conservative 31; Mismatches 77; Indels 49; Gaps 10;

5.8%; Score 93.5; DB 1; Length 234;

Query 130 GPEETQDVLDLSPAPCLPGCRHSQHDNGNLRNIQQDCQLIADSDTPTIRKGTTF 189
Db 57 GPOREEQ-----LP-----NAFQSIINPLAQTLR--SSSRTPSDKPAHAVV 94
Cy 190 -----VPMLLSPKRGAL-----EEKENKIVAEQOTGYFFIYSCVLY-----TDPIFA 231
Db 95 ANPQAEGLQWISG--RANALLANGVKLTNDQVLVDGLYLYSVLFSGQGRSPRHVL 152
Cy 232 MGHVLIQKKVHVFGEDELIVTLFR--CIQNMKPLPNNKSCS---AGIARLEBDEIQL 285
Db 153 LTHTSRLAVS-YPNKVNLLSAIKSPCHTESPEQBAKWPBYIYLGQVFLQEKGRDQLSA 211
Cy 286 ALPRENAGISRNAGDDTFGALKL 308
Db 212 EIMQPNVLDFAESGQVYFGIALL 234

RESULT 11

T51904
hypothetical protein B2311.160 [imported] - Neurospora crassa
C:Species: Neurospora crassa
C:Date: 20-Oct-2000 #sequence_revision 20-Oct-2000 #text_change 20-Oct-2000

C/Accession: T51904
 R/Schulte, U.; Algn, V.; Heheisel, J.; Brandt, P.; Fartmann, B.; Holland, R.; Nyakatura,
 submitted to the Protein Sequence Database, August 2000
 A/Reference number: Z25858
 A/Accession: T51904
 A/Status: preliminary
 A/Molecule type: DNA
 A/Residues: 11051 <SCH>
 C/Cross-references: EMBL:AL391572; GSPDB:GN00116; NCSP:B23111.160
 A/Experimental source: BAC clone B23111; strain OR744
 C/Genetics:
 A/Map position: 6
 A/Map position: 6

Query Match
 Best Local Similarity 23.4%; Score 92.5; DB 2; Length 1051;
 Matches 41; Conservative 20; Mismatches 67; Indels 47; Gaps 4;

33 QKEGAMFGICRGR-----LATLLALLSSFTAMSYQLA 71
 815 QQNGGCGHARAGSLGSGSLRAGSGTASIGNRAALLASRLSYSTAP-----A 870
 QY 72 ALGADIMNIMELQSYRGSAITPAAGAPBLTAGVKLLTPAAPPHNSSGHNRRAFOGP 131
 Db 871 RRTSSMNVSV--NNGGASPTANRTGVRTSGQVRSILPPLGQSQOPFTRPADEGA 927
 QY 132 EETEQVDVLSAPAPCLPGCRHSQHDNQMNLNIIQDCLQIADSDPTIRKGT 186
 Db 928 EDAPPSYDAATAPYIIPPEGHPSH-----PTSSPTVATAT 963

RESULT 12
 T39812
 hypothetical protein SPBC19C7.06 - fission yeast (Schizosaccharomyces pombe)
 C/Species: Schizosaccharomyces pombe
 C/Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 21-Jul-2000
 C/Accession: T39812
 R/Lyme, M.; Rajandream, M.A.; Barrell, B.G.; Lucas, M.; Gaillardin, C.
 submitted to the EMBL Data Library, June 1998
 A/Reference number: Z21881
 A/Accession: T39812
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: DNA
 A/Residues: 1-716 <LYN>
 A/Cross-references: EMBL:AL023859; PIDN:CAA19574.1; GSPDB:GN00067; SPDB:SPBC19C7.06
 A/Experimental source: strain 972h; cosmid c19C7
 C/Genetics:
 A/Map position: 2
 A/Map position: 2
 C/Superfamily: proline-trna ligase pros

Query Match
 Best Local Similarity 21.3%; Score 92; DB 2; Length 716;
 Matches 56; Conservative 43; Mismatches 92; Indels 72; Gaps 12;

44 RDRGLAATLTLALLSSFTAMSYQLAALQADIMLRME--LQSRGSAITPAAGAPBL 101
 88 KEARMAADLVEEVFGIPPTDVGFISVKNENASKVAVDAILQHNQ---LLAFHPS 143
 QY 102 TAGVKLLTPAAPPHNSSGHNRRAFOGPETEQQVDLSAP---PAPCLPGC--RHSQH 156
 Db 144 SATIVAVSPAAYOTYLSVG-----VNPIVDLSAGSATAPEKPAQKKKEP 192
 QY 157 DDNGMNLNIIQDCLQIADSDPT---TIK-----GYTFVPMILSKIGNA 201
 Db 193 SKNDAAIENAAALIGIVRKADAFPMVYQOVLTQSDMIEYYDISGCYILKFW--SYSIMEA 250
 QY 202 LE---EKENKIVRQGYFFIYSQVLYTDPIFAMGHVIRKRVVH--FGDELSTVLRFC 256
 Db 251 IQMFWKEIKLGVNRGTF-----PLFVSSKVLKEKDHVGEFPAEVAVYT----- 296
 QY 257 IQMFKTLPNNSCYSGIARLEE 279

Db 297 -----RACTSELDE 305

RESULT 13
 S17289
 tumor necrosis factor beta precursor - pig
 C/Species: Sus scrofa domestica (domestic pig)
 C/Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 10-Sep-1999
 C/Accession: S17289
 R/Kuhnert, P.; Muehlich, C.; Peterhans, E.; Pauli, U.
 Gene 102, 171-178, 1991
 A/Title: The porcine tumor necrosis factor-encoding genes: sequence and comparative anal
 A/Reference number: S17289; MUID:91340150; PMID:1874444
 A/Accession: S17289
 A/Molecule type: DNA
 A/Residues: 1-204 <KUH>
 A/Cross-references: EMBL:X54859; NID:92132; PIDN:CAA3638.1; PID:92133.
 C/Genetics:
 A/Introns: 32/3; 68/1
 C/Superfamily: tumor necrosis factor
 C/Keywords: cytokine; signal sequence; status predicted <SIG>
 F11-33/Domains: signal sequence; status predicted <SIG>
 F134-204/Product: tumor necrosis factor beta #status predicted <MAT>

Query Match
 Best Local Similarity 20.9%; Score 91.5; DB 1; Length 204;
 Matches 45; Conservative 34; Mismatches 61; Indels 75; Gaps 11;

131 PEETEQVDVLSAPAPCLPGCRH--SQHDNQMNLNIIQDCLQIADSDPT----- 181
 Db 28 PPEAQGLPGVGLPSPAQAQPHQHPKH---LARGTLKAAALVGDPSFSLRRRANT 82
 QY 182 ----IRKGYTFVFWMLSPFRGNALKEKENKIVRQGYFFIYSQVLYT-----D 227
 Db 83 DRALRHG-----FLLS-----NNSLVPPISGLYFYVSQVYFSGGCFPKATPT 126
 QY 228 PIFAMGHVIRKRVHFGDE---LSIVTLFRCIQNMFKTLPNNSCYSGIARLEGGDEI 283
 Db 127 PLV-LAHEVO-----LFSSQYPPHVPILLSQKXVCQPGQPGPWWRSYQAGAVFLTQGD-- 178
 QY 284 QLAIFREMAQISNRGDDT-----FRGAKL 308
 Db 179 -----QLSTHTDGTPHLLSPSSVFPGARAL 204

RESULT 14
 S22052
 tumor necrosis factor alpha precursor - baboon
 C/Species: Papio sp. (baboon)
 C/Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 04-Feb-2000
 C/Accession: S22052
 R/Sanjaywala, M.; Edwards, A.
 submitted to the EMBL Data Library, September 1991
 A/Description: Baboon Tumor Necrosis Factor Derived from Sequences of Genomic DNA.
 A/Reference number: S22052
 A/Accession: S22052
 A/Status: preliminary
 A/Molecule type: DNA
 A/Residues: 1-233 <SAN>
 A/Cross-references: EMBL:X62141; NID:938159; PIDN:CAA44068.1; PID:938160
 C/Genetics:
 A/Introns: 62/3; 78/1; 94/1
 C/Superfamily: tumor necrosis factor
 C/Keywords: glycoprotein; lipoprotein; myristylation; transmembrane protein
 F119/20/Binding site: myristate (lys) (covalent) #status predicted
 F181/Binding site: carbohydrate (Ser) (covalent) #status predicted
 F145-177/Disulfide bonds: #status predicted

Query Match
 Best Local Similarity 25.6%; Score 91.5; DB 1; Length 233;
 Matches 34; Conservative 24; Mismatches 56; Indels 19; Gaps 6;

192 WLSPFRGNAL-----EKENKIVRQGYFFIYSQVLY-----TDFIFAMGHVIRKRV 241

```
Db      104 WL--NRANALANGVEIRDNLVPSSEGLIYSQVLFKGGCPSTHVLTHITISRIAY 161
QY      242 HVFGDELVLVTLFR--CIQNMPKTLPNNSCYS---AGIARLEEGDEIQLAIPRENAQIS 295
Db      162 S-YQTKVNLISLIXPCQRETPEGAKAPWIEPIYLGIVFOLEKGRLSAELINLPDYIDF 220
QY      296 RINGDTPFGALKL 308
Db      221 AESGQVYFGIALL 233
```

RESULT 15

```
B85711
Probable IS encoded protein within CP-9330 Z2080 [imported] - Escherichia coli (strain C
C:Species: Escherichia coli
C:Date: 16-Feb-2001 #sequence_revision 16-Feb-2001 #text_change 14-Sep-2001
C:Accession: B85711
R:Perna, N.T.; Plunkett III, G.; Burland, V.; Mau, B.; Glasner, J.D.; Rose, D.J.; Mayhew
Miller, L.; Grobebeck, E.J.; Davis, N.W.; Lim, A.; Dimalanta, E.; Potamoudis, K.; Apodaca,
Nature 409, 529-533, 2001
A:Title: Genome sequence of enterohemorrhagic Escherichia coli O157:H7.
A:Reference number: A85480; MUID:21074935; PMID:11206551
A:Accession: B85711
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-230 <STO>
A:Cross-references: GB:AE005174; NID:G12515026; PIDN:AAG56150.1; GSPDB:GN00145; UWGP:Z20
A:Experimental source: strain O157:H7, substrain EDL933
C:Genetics:
A:Gene: Z2080
```

Query Match 5.6%; Score 91; DB 2; Length 230;

Best Local Similarity 25.3%; Pred. No. 1.6; Mismatches 65; Indels 32; Gaps 6;

Matches 39; Conservative 18; Mismatches 65; Indels 32; Gaps 6;

```
QY      69 QIALQADILMLRMELQSYSGSATPAAGAPELTAGVKLLTPAAPRPHNSSGHNRRAAF 128
Db      52 RIAGKEADILNRLQKESDITLS-----RYIDPAVQRP---LRQTRTKKF 92
QY      129 QGPETEQQVDLSAPPAPCLPGCRHSQH--DDNGMNLNIIQDCLQIADSDTPTI--- 182
Db      93 --PEELPRDEKILTPAPCCPCPGSGSLSYLGEDTAEOI-ELMRSSLPQYDPGTGKICLYS 149
QY      183 ----RKGTTFVFWLSPFKGNALBEKENKIYVR 212
Db      150 VACHRAGTCTFAAHRAGYRRTGAGAPRADLEYCR 183
```

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Job time : 28.5303 secs

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OM protein - protein search, using sw model

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(without alignments)
1030.989 Million cell updates/sec

Title: US-09-911-777b-2

Sequence: 1 MDESKATLPPCLCFCEKSG.....ENAGISNGDDTFGALXLL 309

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 141681 seqs, 52070155 residues

Total number of hits satisfying chosen parameters: 141681

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : SwissProt_42:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1624	100.0	309	1	Q9WU72 mus musculus
2	910	56.0	285	1	TN1B_MOUSE
3	236.5	14.6	241	1	TN13_HUMAN
4	234.5	14.4	250	1	TN13_MOUSE
5	114	7.0	391	1	TN13_HUMAN
6	114	7.0	391	1	EDA_BOVIN
7	112	6.9	391	1	EDA_HUMAN
8	109.5	6.7	392	1	EDA_MOUSE
9	109	6.7	513	1	T160_RAT
10	108	6.7	513	1	T160_MOUSE
11	106.5	6.6	233	1	TNFA_PERLE
12	106	6.5	233	1	TNFA_SALIC
13	106	6.5	513	1	TNFA_TRIUV
14	105.5	6.5	234	1	TNFA_HUMAN
15	105.5	6.5	234	1	TNFA_BOVIN
16	105.5	6.5	235	1	TNFA_MOUSE
17	104.5	6.4	234	1	TNFA_SHEEP
18	104	6.4	235	1	TNFA_RAT
19	103.5	6.4	232	1	TNFA_PANTR
20	101.5	6.2	201	1	TNFB_MACRU
21	101	6.2	233	1	TNFB_HUMAN
22	100.5	6.2	233	1	TNFA_CANFA
23	100	6.2	233	1	TNFA_MACRU
24	100	6.2	233	1	TNFA_PAPAN
25	99.5	6.1	235	1	TNPA_RABIT
26	98.5	6.1	234	1	TNPA_CAVPO
27	97.5	6.0	229	1	TNPA_CERET
28	97	6.0	1210	1	TNPA_HUMAN
29	96.5	5.9	233	1	TNFA_BOVIN
30	96	5.9	233	1	TNFA_BUBBU
31	96	5.8	233	1	TNFA_MARMO
32	95	5.8	233	1	TN14_MOUSE
33	94.5	5.8	239	1	TN14_MOUSE

34	94.5	5.8	280	1	TNFB_MACRU	Q9WU72
35	93.5	5.8	233	1	TNFA_LAMGL	P59694 lama glama
36	93.5	5.8	233	1	TNFA_HORSE	P29553 equus caball
37	93	5.7	233	1	TNFA_TURTR	Q9B41 turstrops tr
38	92.5	5.7	280	1	TNFB_CERTO	Q9B41 cercocebus
39	91.5	5.6	204	1	TNFB_PIG	P26445 sus scrofa
40	91.5	5.6	233	1	TNFA_PAPSP	P33620 papio sp.
41	90.5	5.6	233	1	TNFA_DEILE	Q77510 papio hamad
42	90	5.5	233	1	TNFA_PAPU	Q43557 homo sapien
43	90	5.5	240	1	TN14_HUMAN	P10154 oryctolagus
44	89.5	5.5	197	1	TNFB_RABIT	P41047 mus musculus
45	89.5	5.5	279	1	TNFB_MOUSE	

ALIGNMENTS

RESULT 1
ID TN1B_MOUSE STANDARD; PRT; 309 AA.
AC Q9WU72;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Tumor necrosis factor ligand superfamily member 13B (B cell-activating factor) (BAFF).
GN TNFSF13B OR BAFF.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
CC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
NX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=9288033; Pubmed=10359578;
RA Schneider P., Mackay F., Steiner V., Hofmann K., Bodmer J.-L.,
RA Holler N., Ambrose C., Lawton P., Bixler S., Acha-Orbea H.,
RA Valmori D., Romero P., Werner-Favre C., Zudler R.H., Browning J.L.,
RA Teschopp J.;
RT "BAFF, a novel ligand of the tumor necrosis factor family, stimulates B cell growth.";
RT J. Exp. Med. 189:1747-1756 (1999).
RL [2]
RP SEQUENCE FROM N.A., AND VARIANT SER-79.
RX STRAIN=NBZ;
RX MEDLINE=21850530; Pubmed=11862414;
RA Jiang Y., Ontsuji M., Abe M., Li N., Xiu Y., Wen X.S., Shirai T.,
RA Hirose S.;
RT "Polymorphism and chromosomal mapping of the mouse gene for B-cell activating factor belonging to the tumor necrosis factor family (BAff) and association with the autoimmune phenotype.";
RL Immunogenetics 53:810-813(2001).
CC -1- FUNCTION: Cytokine that binds to TNFSF13B/BAFF and TNFRSF17/BCMA. 2 ligands -2 receptors pathway involved in the stimulation of B- and T-cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the survival of mature B-cells and the B-cell response.
CC -1- SUBUNIT: Homotrimer.
CC -1- SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an extracellular soluble form.
CC -1- PTM: The soluble form derives from the membrane form by proteolytic processing.
CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.
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CC EMBL; AF119383; AAD22475.1; -.

[9] X-RAY CRYSTALLOGRAPHY (3.0 ANGSTROMS) OF 142-265.
 RX MEDLINE=21842897; PubMed=11853672;
 RA Liu Y., Xu L., Opalka N., Kappeler J., Shu H.-B., Zhang G.;
 RT "Crystal structure of STALP-1 reveals a virus-like assembly of TNF
 family 1 ligands.";
 RL Cell 108:383-394(2002).
 [10]
 RX X-RAY CRYSTALLOGRAPHY (2.8 ANGSTROMS) OF 136-265.
 RA MEDLINE=21686304; PubMed=11827482;
 RA Karpuus M., Cachero T.G., Qian F., Boriack-Sjodin A., Mullen C.,
 RT Strauch K., Hsu Y.-W., Kalled S.L.;
 RT "Crystal structure of extracellular human BAFF, a TNF family member
 that stimulates B lymphocytes.";
 RL J. Mol. Biol. 315:1145-1154(2002).
 [11]
 RX X-RAY CRYSTALLOGRAPHY (2.0 ANGSTROMS) OF 134-285.
 RA MEDLINE=21912420; PubMed=11862220;
 RA Oren D.A., Li Y., Volovik Y., Morris T.S., Dharia C., Das K.,
 RT Gaipertina O., Gentz R., Arnold E.;
 RT "Structural basis of BlyS receptor recognition.";
 RL Nat. Struct. Biol. 9:288-292(2002)
 CC -1- FUNCTION: Cytokine that binds to TNFSF13B/TACI and TNFSF17/BCMA.
 CC TNFSF13/APRIL binds to the same 2 receptors. Together, they form a
 CC 2 ligands -2 receptors pathway involved in the stimulation of B-
 CC and T-cell function and the regulation of humoral immunity. A
 CC third B-cell specific BAFR-receptor (BAFR/BR3) promotes the
 CC survival of mature B-cells and the B-cell response.
 CC
 CC -1- SUBUNIT: Homotrimer.
 CC
 CC -1- SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an
 CC extracellular soluble form.
 CC
 CC -1- TISSUE SPECIFICITY: ABUNDANTLY EXPRESSED IN PERIPHERAL BLOOD
 CC LEUKOCYTES AND IS SPECIFICALLY EXPRESSED IN MONOCYTES AND
 CC MACROPHAGES. ALSO FOUND IN THE SPLEEN, LYMPH NODE, BONE MARROW, T-
 CC CELLS AND DENDRITIC CELLS. A LOWER EXPRESSION SEEN IN PLACENTA,
 CC HEART, LUNG, FETAL LIVER, THYMUS AND PANCREAS.
 CC
 CC -1- INDUCTION: UPREGULATED BY EXPOSURE TO INTERFERON-GAMMA. DOWN-
 CC REGULATED BY PHORBOL MYRISTATE ACETATE/IONOMYCIN TREATMENT.
 CC
 CC -1- PFM: The soluble form derives from the membrane form by
 CC proteolytic processing.
 CC
 CC -1- PFM: N-glycosylated.
 CC
 CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.
 CC
 CC -----
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 CC EMBL; AF136293; AAD29421.1; -
 CC EMBL; AF116456; AAD25356.1; -
 CC EMBL; AF132600; AAD21092.1; -
 CC DR EMBL; AF186114; AAF01432.1; -
 CC EMBL; AF134715; AAF60219.1; -
 CC EMBL; AB073225; BAB80856.1; -
 CC EMBL; BC020674; AAR20674.1; -
 CC PDB; 1KXG; 03-APR-02.
 CC PDB; 1KD7; 12-NOV-02.
 CC DR PDB; 1JHS; 08-FEB-02.
 CC Genew; HGNC:11929; TNFSF13B.
 CC MIM; 603969; -
 CC
 CC GO; GO:0005625; C:soluble fraction; TAS.
 CC DR GO; GO:0005102; F:receptor binding; TAS.
 CC GO; GO:0008283; P:cell proliferation; TAS.
 CC DR GO; GO:0008284; P:positive regulation of cell proliferation; TAS.
 CC GO; GO:0007165; P:signal transduction; TAS.
 CC DR InterPro; IPR006052; TNF family.
 CC InterPro; IPR006983; TNF_like.
 CC SMART; SM00207; TNF_1.
 CC PROSITE; PS00251; TNF_1; FALSE_NEG.
 CC PROSITE; PS50049; TNF_2; 1.

Query Match	Best Local Similarity	Score	DB	Length	285;
Matches 192;	Conservative	192;	Matches 51;	Indels 42;	Gaps 5;
Query	1	MDSEAKTLPPCCLCFCEKSGKGMV-GVDP	1	MDSEAKTLPPCCLCFCEKSGKGMV-GVDP	1
Db	1	MDBSTER-EGSRLTCLCKEEMKXCVSILPKESPS-VRSSDQKLAATLLALLS	59	MDBSTER-EGSRLTCLCKEEMKXCVSILPKESPS-VRSSDQKLAATLLALLS	59
QY	60	SSFTAMSLYQALAIQADLMNLRMELQSYGSATPAAGAP-----LTAQVCLTPA	111	SSFTAMSLYQALAIQADLMNLRMELQSYGSATPAAGAP-----LTAQVCLTPA	111
Db	59	CCLTVVAFYGVAAALQGLASIRAELOGHHAKEPLAGAGAPAGLEBAVATAGLKIPEP	118	CCLTVVAFYGVAAALQGLASIRAELOGHHAKEPLAGAGAPAGLEBAVATAGLKIPEP	118
QY	112	APRHNSRGRHRRRRAFOGPEEHTQDVDSLAPRAPCLPGCHSHDNGMNLNIOCL	171	APRHNSRGRHRRRRAFOGPEEHTQDVDSLAPRAPCLPGCHSHDNGMNLNIOCL	171
Db	119	AFGEHNSQNSRRNRAVOGPBE-----VTQDCL	147	AFGEHNSQNSRRNRAVOGPBE-----VTQDCL	147
QY	172	QLIADSDPTIRKQYTFVFWMLSFKRGNALEEKNIIVVQTYGFPIYSQVLYTDPIFA	231	QLIADSDPTIRKQYTFVFWMLSFKRGNALEEKNIIVVQTYGFPIYSQVLYTDPIFA	231
Db	148	QLIADSDPTIRKQYTFVFWMLSFKRGNALEEKNIIVVQTYGFPIYSQVLYTDPIFA	207	QLIADSDPTIRKQYTFVFWMLSFKRGNALEEKNIIVVQTYGFPIYSQVLYTDPIFA	207
QY	232	MGHVIQKKKXHVHGVDESLVTLFRCLONMPKTLPNNSCYSGAGIARLEBDEIQLAIPREN	291	MGHVIQKKKXHVHGVDESLVTLFRCLONMPKTLPNNSCYSGAGIARLEBDEIQLAIPREN	291
Db	208	MGHVIQKKKXHVHGVDESLVTLFRCLONMPKTLPNNSCYSGAGIARLEBDEIQLAIPREN	267	MGHVIQKKKXHVHGVDESLVTLFRCLONMPKTLPNNSCYSGAGIARLEBDEIQLAIPREN	267
QY	292	AOISRNQDPTFGALKLL	309	AOISRNQDPTFGALKLL	309
Db	268	AOISLDGDTVTFGALKLL	285	AOISLDGDTVTFGALKLL	285

DE Tumor necrosis factor ligand superfamily member 13 (A proliferation-inducing ligand) (APRIL).

DE TNFSP13 OR APRIL.

OS Mus musculus (Mouse).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

OX NCBI_TaxId=10090;

RP (1)

RP SEQUENCE FROM N.A.

RC TISSUE=Lung;

RC MEDLINE=21107294; PubMed=1093284;

RA Yu G., Boone T., Delaney T., Hawkins N., Kelley M.J., Ramakrishnan M., McCabe S., Qiu W.R., Kornuc M., Xia X.-Z., Guo J., Stolina M., Boyle W.J., Sato S.I., Hsu H., Senaldi G., Theill L.E.;

RT "APRIL and TALL-1 and receptors BCMA and TRAF1: system for regulating humoral immunity.";

RL Nat. Immunol. 1:252-256(2000).

RN [2]

RP SEQUENCE FROM N.A.

RC STRAIN=C57BL/6J; TISSUE= tongue;

RC MEDLINE=21085860; PubMed=11217851;

RA Kawai T., Shingawa A., Shibata K., Yoshino M., Itoh M., Ishii Y., Arakawa T., Hara A., Fukunishi Y., Kono H., Adachi T., Fukuda S., Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamataka I., Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R., Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T., Fleischmann W., Gaasterland T., Giesi C., King B., Kochiwa H., Kuehl P., Lewis S., Matsuo Y., Nakado I., Pesole G., Quackenbush J., Schirni L.M., Staudt F., Suzuki R., Tomita M., Wagner L., Washio T., Sakai K., Okido T., Furuno M., Aono H., Balderelli R., Barsh G., Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F., Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M., Gustincich S., Hill D., Hofmann J., Hume D.A., Kamuya M., Lee N.H., Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P., Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N., Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F., Suzuki H., Toyooka K., Wang K.H., Weitz C., Whitaker C., Wilting L., Wyszewski B., Yoshida K., Hasegawa Y., Kawaji H., Kohlsuki S., Hayashizaki Y.;

RT "Functional annotation of a full-length mouse cDNA collection.";

RL Nature 409:685-690(2001).

CC -1- FUNCTION: Cytokine that binds to TNFRSF1B/NG2 and to TNFRSF17/BCMA. May be implicated in the regulation of tumor cell growth. May be involved in monocyte/macrophage-mediated immunological processes.

CC -1- SUBUNIT: Homotrimer (Potential).

CC -1- SUBCELLULAR LOCATION: Secreted (By similarity).

CC -1- PTM: The soluble form derives from the membrane form by proteolytic processing.

CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.

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CC EMBL: AF294825; AAC2534.1; -

CC EMBL: AK009514; BAB26332.1; -

CC MGI: MGI:191683; Tnf6f13.

CC GO: GO:0008284; P:Positive regulation of cell proliferation; IDA.

CC InterPro: IPR006052; TNF_family.

CC InterPro: IPR008983; TNF_like.

CC SMART: SM00207; TNF_1.

CC PROSITE: PS00251; TNF_1; 1.

CC PROSITE: PS50043; TNF_2; 1.

CC CycloXine; Immune response; Glycoprotein.

CC PROPEP 1 95 BY SIMILARITY.

CC CHAIN 96 241 TUMOR NECROSIS FACTOR LIGAND SUPERFAMILY MEMBER 13.

CC SITE 95 96 CLEAVAGE (BY FURIN) (BY SIMILARITY).

FT DISUPRID 187 202 POTENTIAL.

FT CARBOHYD 115 115 N-LINKED (GLCNAC...) (POTENTIAL).

FT COMPLECT 120 120 MISSING (IN REF. 2).

SO SEQUENCE 241 AA; 26889 MW; 4896D03BDECT12A4 CRC64;

Query Match 14.6%; Score 236.5; DB 1; Length 241;

Best Local Similarity 29.4%; Pred. No. 1,4e-13;

Matches 83; Conservative 35; Mismatches 117; Indels 47; Gaps 8;

QY 32 PQKEFGAMFGICDGRILATILL--ALLSSFTAMSVQALALQADLNLNKLKESYRG 89

Db 2 PASSFGMGSSVEPALSVATLMSGAVGAVTCAVA--LLIQDELQSLREVRLQR 58

QY 90 SATPAAGAPELTAGVTLTPAAPRPHNSRGHNRAPQGPETEDVDLSAPAPCLP 149

Db 59 SCGPSQKQGRPPQSLMEQSPDLVEMKQAKRRRAVLTQKKGKHSVLHVPV---- 114

QY 150 GCRHSQHDNGMNLRLNIQDCLQIADSDPTTRKGTTFVPLSLFKGNLSEENKI 209

Db 115 -----NITSK-----ADSDV-----TEVMQPVLRGRGLEAQGDIV 146

QY 210 VYRQGYFFIYQVLYNDPFFAMGVYQKRVHFGDELIVTLFRQIONMPTLNP--- 266

Db 147 RWDPTGLYLYSQVLFEDVTFMGQVSR-----GQGRRETLFFCISMSPD-PDRAV 199

QY 267 NSCYSGIARLESGDEIQALPRENAQISRNQDTPFGALK 308

Db 200 NSCYSGAVFHLHQDITTVKIPRANALSLSPHTEFGVYKL 241

RESULT 4

TN13_HUMAN STANDARD; PRT; 250 AA.

AC 075888; Q96HV6; Q9PIM8; Q9PIM3;

DT 16-OCT-2001 (Rel. 40, Last sequence update)

DT 16-OCT-2001 (Rel. 40, Last sequence update)

DT 10-OCT-2003 (Rel. 42, Last annotation update)

DE Tumor necrosis factor ligand superfamily member 13 (A proliferation-inducing ligand) (APRIL) (TNF- and ABOL-related leukocyte expressed ligand 2) (TALL-2) (TNF-related death ligand-1) (TRDL-1).

GN TNFSP13 OR APRIL OR TALL2 OR ZTNF2.

OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

OX NCBI_TaxId=9606;

OX [1]

RP SEQUENCE FROM N.A.

RC TISSUE=Uterus;

RC MEDLINE=98416181; PubMed=9743536;

RA Hahne M., Kataoka T., Schroeter M., Hofmann K., Irmeler M., Bodmer J.-L., Schneider P., Bormand T., Holler N., French L.B., Sordat B., Rimoldi D., Tschopp J.;

RT "APRIL, a new ligand of the tumor necrosis factor family, stimulates tumor cell growth.";

RL J. Exp. Med. 188:1185-1190(1998).

RN [2]

RP SEQUENCE FROM N.A.

RC MEDLINE=99260341; PubMed=10331498;

RA Shu H.-B., Hu W.-H., Johnson H.;

RT "TALL-1 is a novel member of the TNF family that is down-regulated by T. leukoc. Biol. 65:680-683(1999).

RL [3]

RP SEQUENCE FROM N.A.

RA Parrish T., Grant F., Haldeman B., Whitmore T., Gross J., O'Hara P.;

RT "Homo sapiens tumor necrosis factor homolog.";

RL Submitted (Oct-1999) to the EMBL/Genbank/DBJ databases.

RN [4]

RP SEQUENCE FROM N.A. (ISOFORMS ALPHA; BETA AND GAMMA).

RC MEDLINE=20168636; PubMed=10706119;

RA Kelly K.A., Manse E.J., Jensen G.T., Nadda L., Jones D.A.;

RT "APRIL/TRDL-1, a tumor necrosis factor-like ligand, stimulates cell death.";

RL Cancer Res. 60:1021-1027(2000).
 RN
 RP
 RC SEQUENCE OF 1-247 FROM N.A.
 RC TISSUE=OVARY;
 RX MEDLINE=22368257; PubMed=12477932;
 RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
 RA Klausner R.D., Collins P.S., Wagner L., Shenmen C.M., Schuler G.D.,
 RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
 RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
 RA Diachenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
 RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
 RA Brownstein M.J., Uesdin T.B., Toshiyuki S., Carninci P., Prange C.,
 RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullenbach S.J.,
 RA Bosak S.A., McManus P.J., McKernan K.J., Malek J.A., Gamaralline P.H.,
 RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Huiyik S.W.,
 RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
 RA Fahney J., Helton E., Kettelman M., Madan A., Rodrigues S., Sanchez A.,
 RA Whitting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
 RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
 RA Butterfield Y.S.N., Krzywinski M.T., Skalska U., Smalins D.E.,
 RA Scherch A., Schein J.E., Jones S.J.M., Marra M.A.,
 RA "Generation and initial analysis of more than 15,000 full-length
 RT human and mouse cDNA sequences.";
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
 RP [6]
 RP FUNCTION.
 RX MEDLINE=21170294; PubMed=10973284;
 RA Yu G., Boone T., Delaney J., Hawkins N., Kelley M.J., Ramakrishnan M.,
 RA McCabe S., Qiu W.R., Kozmuc M., Xia X.-Z., Guo J., Stolina M.,
 RA Boyle W.J., Sárosi I., Hsu H., Senaldi G., Theill L.E.,
 RA "April and TALL-1 and receptors BCMA and TACI: system for regulating
 RT humoral immunity.";
 RL Nat. Immunol. 1:252-256(2000).
 RN [7]
 RP PROCESSING BY FURIN, MUTAGENESIS OF 101-ARG--ARG-104, AND
 RP SUBCELLULAR LOCATION.
 RX MEDLINE=21486098; PubMed=11571266;
 RA Lopez-Fraga M., Fernandez R., Albar J.P., Hahne M.,
 RA "Biologically active April is secreted following intracellular
 RT processing in the Golgi apparatus by furin convertase.";
 RL EMBO Rep. 2:945-951(2001).
 CC -1- FUNCTION: Cytokine that binds to TNFRSF13B/TACI and to
 CC TNFRSF17/BCMA. May be implicated in the regulation of tumor cell
 CC growth. May be involved in monocyte/macrophage-mediated
 CC immunological processes.
 CC -1- SUBUNIT: Homotrimer (Potential).
 CC -1- SUBCELLULAR LOCATION: Secreted.
 CC -1- ALTERNATIVE PRODUCTS:
 CC Event=Alternative splicing; Named isoforms=3;
 CC Name=Alpha;
 CC IsoId=O75888-1; Sequence=Displayed;
 CC Name=Beta;
 CC IsoId=O75888-2; Sequence=VSP_006450;
 CC Name=Gamma;
 CC IsoId=O75888-3; Sequence=VSP_006451;
 CC -1- TISSUE SPECIFICITY: EXPRESSED AT HIGH LEVELS IN TRANSFORMED CELL
 CC LINES, CANCERS OF COLON, THYROID, LYMPHOID TISSUES AND
 CC SPECIFICALLY EXPRESSED IN MONOCYTES AND MACROPHAGES.
 CC -1- INDUCTION: DOWN-REGULATED BY PHORBOL MYRISTATE ACETATE/IONOMYCIN
 CC TREATMENT.
 CC -1- PTM: The precursor is cleaved by furin.
 CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.
 CC
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 CC EMBL; AF046888; AAC61312.1; -

DR EMBL; AF136294; AAD29422.1; -
 DR EMBL; AF184972; AAF01331.1; -
 DR EMBL; AF114011; AAF59828.1; -
 DR EMBL; AF114012; AAF59829.1; -
 DR EMBL; AF114013; AAF59830.1; -
 DR EMBL; BC008042; AAH08042.1; -
 DR GeneW; HGNC:11928; TNFRSF13.
 DR MIM; 604472; -
 DR GO; GO:0005102; F:receptor binding; TAS.
 DR GO; GO:0008284; P:positive regulation of cell proliferation; TAS.
 DR GO; GO:0007165; P:signal transduction; TAS.
 DR InterPro; IPR006052; TNF family.
 DR InterPro; IPR008983; TNF-like.
 DR Pfam; PF00229; TNF; 1.
 DR SMART; SMO0207; TNF; 1.
 DR PROSITE; PS00251; TNF_1; 1.
 DR PROSITE; PS50049; TNF_2; 1.
 DR Cytokine; Immune response; Glycoprotein;
 KW Alternative splicing.
 FT PROPEP 1 104
 FT CHAIN 105 250
 FT SITE 104 105
 FT DISULFD 196 211
 FT CARBOHYD 124 124
 FT VARSPIC 113 129
 FT FT 247 249
 FT VARSPIC 247 249
 FT FT 101 104
 FT MUTAGEN 101 104
 FT FT 96 96
 FT CONFLICT 247 247
 FT FT 247 247
 FT SEQUENCE 250 AA; 27433 MW; AE1AE9457F6E298 CRC64;
 Query Match 14.4%; Score 234.5; DB 1; Length 250;
 Best Local Similarity 28.2%; Pred. No. 2,2e-13;
 Matches 82; Conservative 44; Mismatches 104; Indels 61; Gaps 11;
 QY 30 ITPKKEGAMFGICRDRLLAATLL--ALLSSFTMSLYQALAIQADIMTMEIQSY 87
 DB 9 LAPGPPGNNGGPYREBALSVLA LMSGALGAVACAMA--LITQOTELQSRREVSRL 65
 QY 88 RGSATPPAAG-----APELTAGVLLTPAAPPHNSGHNRRAPQCEETEDVDL 140
 DB 66 QGTGPGNQEGYRPGWSPLEPOS-----SPALAMENGENS RKRRAVLTQKKQHSVL 118
 QY 141 SAPPAFLPCGRHSQHDMGNMLRNIIQDCLLIADSDPTIRKGYTFVFWLLSFRGN 200
 DB 119 HLVE-----INATSKD-----DSDV-----TEVMQPALRRGR 146
 QY 201 ALEKENKIVRQNGYFEIYSQVLYNDPIFAMGHVIRKKYHVFGEISLVTLFRCIQN 260
 DB 147 GLDQCGVARIQDAGVYLLSYQLFQDVTFTWQVVSRE-----QGQROETLFRCTIRM 200
 QY 261 PXTLPN---NSCYSAGIARLEBDEIQLAIPRENAQISRGDPTFGALTL 308
 DB 201 P-SHPDRAYNSCYSAQVFLHGDIIIVIPRARKLNLSPHGTFLGAVYL 250
 RESULT 5
 EDA_BOVIN STANDARD; PRT; 391 AA.
 AC Q9BE65; Q9BE65;
 DT 28-FEB-2003 (Rel. 41, Created)
 DT 28-FEB-2003 (Rel. 41, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Ectodysplasin A (Ectodysplasin 1) (Ectodermal dysplasia protein).
 GN Ed1 OR EDA.
 OS Bos taurus (Bovine).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
 OC Bovidae; Bovinae; Bos.

Query Match	Best Local	Match	Score	DB 1	Length
Sequence Similarity	49	Conservative	7.0%	21.6%	36
Match	49	Conservative	36	Mismatches	90
Indels	52	Gaps	9		

QY 93 PAAAGAPFELTACVYKLTTPAARFENSRGRHNRARFQSGPEETEQDVJASAPAPCLPGCR 152

Db 200 FGIPIGFIPIGTTVWGPPEPGP---PGSQPPGJQGSAGAA---KAGRENQPAVY 251

QY 153 HSGHDNGNINLRN-----IIODCQLIADSDFTPIRKGYTFVFWMLISFRGNALAEKEN 207

Db 252 HIQGGGSAIAQYKNDLSGSLVDWGRITMN---PRVFK-----LHPSRG 291

QY 208 KIVFVQTCYFFPIYSYV----LYDDPFLMAGHYIQKKYHVFEDLSLVTLPRLCIONPK 262

Db 292 ELEFVWDGTYFFYSQVEVYTNLPFD--FASIEVAVDEK-----PFIQCTRSIET 338

QY 263 TLEPN-NSCSAGIALEEGDEIQLAIRENAOISRNDDTFPGALCL 308

Db 339 GKTNVYTCYTAGVCLTKARQKIAVAKVHADISIMSKHTTFGAIL 385

RESULT 6

EDA HUMAN

1D EDA HUMAN STANDARD; PT: 391 AA.

AC G92838; C75910; Q9UP77; Q9Y6L0; Q9Y6L1; Q9Y6L2; Q9Y6L3; Q9Y6L4;

DT 01-NOV-1997 (Rel. 35, Created)

DT 15-JUL-1999 (Rel. 38, Last sequence update)

DT 10-OCT-2003 (Rel. 42, Last annotation update)

DE Ectodysplasin A (Ectodermal dysplasia protein) (EDA protein).

ED1 OR EDA.

OS Homo sapiens (Human).

OC Eukaryote; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.

CX NCBI_TaxID=9606;

[1]

SEQUENCE FROM N.A. (ISOFORM I), AND VARIANTS EDA HIS-61 AND LEU-69.

RP TISSUE=Sweat gland;

RC MEDLINE=96311280; PubMed=8696334;

RX Kere J., Srivastava A.K., Montonen O., Zonana J., Thomas N.S.T., Ferguson B.M., Munoz F., Morgan D., Clarke A., Baybayan P., Chen E.Y., Ezer S., Saarialho-Kere U., la Chapelle A., Schlesinger D.;

RA "X-linked anhidrotic (hypohidrotic) ectodermal dysplasia is caused by mutation in a novel transmembrane protein.";

RT Nat. Genet. 13:409-416(1996).

RL [2]

SEQUENCE FROM N.A. (ISOFORM A1), AND VARIANTS EDA.

RP TISSUE=Liver;

RC MEDLINE=9834961; PubMed=9683615;

RX Montreal A.W., Zonana J., Ferguson B.M.,

RA "Identification of a new splice form of the EDA1 gene permits detection of nearly all X-linked hypohidrotic ectodermal dysplasia mutations.";

RT Am. J. Hum. Genet. 63:380-389(1999).

RL [3]

SEQUENCE FROM N.A. (ISOFORMS A1, A2, B, C, D, E AND F), AND VARIANTS EDA.

RP MEDLINE=98409495; PubMed=9736768;

RX Bayes M., Hartung A.J., Ezer S., Pispas J., Thesleff I., Srivastava A.K., Kere J.;

RA "The anhidrotic ectodermal dysplasia gene (EDA) undergoes alternative splicing and encodes ectodysplasin-A with deletion mutations in collagenous repeats.";

RT Hum. Mol. Genet. 7:1661-1669(1998).

RL [4]

SEQUENCE FROM N.A. (ISOFORMS A1 AND C).

RP Clark S.;

RL Submitted (DEC-2001) to the EMBL/Genbank/DBJ databases.

RM [5]

TISSUE SPECIFICITY, AND ALTERNATIVE SPLICING.

RA Kobietak K., Kobietak A., Trzeciak W.H.;

RT "Expression of a novel transcribed isoform of the EDA gene in human umbilical cord.";

RL Eur. J. Hum. Genet. Suppl. 7:104-104(1999).

RM [6]

RECEPTOR INTERACTION (ISOFORMS A1 AND A2).

RX MEDLINE=20493245; PubMed=110399335;

RA Yan M., Wang L.-C., Hymowitz S.G., Schilbach S., Lee J., Goddard A.,
 RA de Vos A.M., Gao W.-Q., Dixit V.M.;
 RT "Two-amino acid molecular switch in an epithelial morphogen that
 RT regulates binding to two distinct receptors.";
 RL Science 290:523-527(2000).
 RN [7]
 RP PROCESSING, MUTAGENESIS OF ARG-153, AND CHARACTERIZATION OF VARIANT
 RP HIS-156.
 RX MEDLINE=21205766; PubMed=11309369;
 RA Elomaa O., Pulkkinen K., Hanneilus U., Mikkola M., Saarialho-Kere U.,
 RA Kere J.;
 RT "Ectodysplasin is released by proteolytic shedding and binds to the
 RT EDAR protein.";
 RL Hum. Mol. Genet. 10:953-962(2001).
 RN [8]
 RP CHARACTERIZATION OF VARIANTS CYS-155, CYS-156 AND HIS-156, MUTAGENESIS
 RP OF ARG-153, LYS-158 AND ARG-159, AND CLEAVAGE SITE.
 RX MEDLINE=21309995; PubMed=11416205;
 RA Chen Y., Molloy S.S., Thomas L., Gambee J., Baechinger H.P.,
 RA Ferguson B.M., Zonana J., Thomas G., Morris N.P.;
 RT "Mutations within a furin consensus sequence block proteolytic release
 RT of ectodysplasin-A and cause X-linked hypohidrotic ectodermal
 RT dysplasia.";
 RL Proc. Natl. Acad. Sci. U.S.A. 98:7218-7223(2001).
 RN [9]
 RP VARIANT EDA TYR-54.
 RX MEDLINE=98292028; PubMed=9630706;
 RA Hertz J.M., Noerregaard Hansen K., Juncker I., Kjeldsen M.,
 RA Gegeisen N.;
 RT "A novel missense mutation (402C->T) in exon 1 in the EDA gene in a
 RT family with X-linked hypohidrotic ectodermal dysplasia.";
 RL Clin. Genet. 53:205-209(1998).
 RN [10]
 RP VARIANT EDA LYS-63.
 RX MEDLINE=98168231; PubMed=9507389;
 RA Ferguson B.M., Thomas N.S.T., Munoz F., Morgan D., Clarke A.,
 RA Zonana J.;
 RT "Scarcity of mutations detected in families with X linked hypohidrotic
 RT ectodermal dysplasia: diagnostic implications.";
 RL J. Med. Genet. 35:112-115(1998).
 RN [11]
 RP VARIANT EDA ARG-55.
 RX MEDLINE=9939307; PubMed=10469321;
 RA Martinez F., Millan J.M., Orellana C., Prieto F.;
 RT "X-linked anhidrotic (hypohidrotic) ectodermal dysplasia caused by a
 RT novel mutation in EDA1 gene: 406T > G (Leu55Arg).";
 RL J. Invest. Dermatol. 113:285-286(1999).
 RN [12]
 RP VARIANTS EDA ARG-60; TYR-252; VAL-269; SER-302 AND MET-378.
 RX MEDLINE=21272350; PubMed=11378824;
 RA Vincent M.C., Biancalana V., Giniety D., Mandel J.L., Calvas P.;
 RT "Mutational spectrum of the ED1 gene in X-linked hypohidrotic
 RT ectodermal dysplasia.";
 RL Eur. J. Hum. Genet. 9:355-363(2001).
 RN [13]
 RP VARIANTS EDA CYS-156; HIS-156; CYS-255; ASP-255; GLY-274; TYR-312 AND
 RP THR-349.
 RX MEDLINE=21193173; PubMed=11295832;
 RA Paasekheenen K., Cambiaghi S., Novelli G., Ouzts L.V., Penttinen M.,
 RA Kere J., Sivaatava A.K.;
 RT "The mutation spectrum of the EDA gene in X-linked anhidrotic
 RT ectodermal dysplasia.";
 RL Hum. Mutat. 17:349-349(2001).
 CC -!- FUNCTION: Seems to be involved in epithelial-mesenchymal signaling
 CC during morphogenesis of ectodermal organs. Isoform A1 binds only
 CC to the receptor EDAR, while isoform A2 binds exclusively to the
 CC receptor XEDAR.
 CC -!- SUBUNIT: Homotrimer.
 CC -!- SUBCELLULAR LOCATION: Type II membrane protein and secreted.
 CC -!- ALTERNATIVE PRODUCTS:
 CC Event=Alternative splicing; Named isoforms=8;
 CC Comment=Additional isoforms seem to exist;
 CC Name=A1; Synonyms=I1;

CC IsoId=Q92838-1; Sequence=Displayed;
 CC Name=I;
 CC IsoId=Q92838-2; Sequence=VSP_006454, VSP_006455;
 CC Name=A2;
 CC IsoId=Q92838-3; Sequence=VSP_006464;
 CC Name=B;
 CC IsoId=Q92838-4; Sequence=VSP_006462, VSP_006463;
 CC Name=C;
 CC IsoId=Q92838-5; Sequence=VSP_006458, VSP_006461;
 CC Name=D;
 CC IsoId=Q92838-6; Sequence=VSP_006456, VSP_006457;
 CC Name=E;
 CC IsoId=Q92838-7; Sequence=VSP_006459, VSP_006461;
 CC Name=F;
 CC IsoId=Q92838-8; Sequence=VSP_006460, VSP_006461;
 CC -!- TISSUE SPECIFICITY: Not abundant; expressed in specific cell types
 CC of ectodermal (but not mesodermal) origin of keratinocytes, hair
 CC follicles, sweat glands. Also in adult heart, liver, muscle,
 CC pancreas, prostate, fetal liver, uterus, small intestine and
 CC umbilical chord.
 CC -!- PTM: N-glycosylated.
 CC -!- PTM: Processing by furin produces a secreted form.
 CC -!- DISEASE: Defects in ED1 are the cause of ectodermal dysplasia,
 CC anhidrotic (EDA) [MIM:305100]; also known as X-linked hypohidrotic
 CC ectodermal dysplasia (XEDD). EDA is a disease characterized by
 CC sparse hair (atrichosis or hypotrichosis), abnormal or missing
 CC teeth and the inability to sweat due to the absence of sweat
 CC glands. EDA is the most common form of over 150 clinically
 CC distinct ectodermal dysplasias. This disease was already described
 CC by Darwin.
 CC -!- SIMILARITY: Belongs to the tumor necrosis factor family.
 CC -!- SIMILARITY: Contains 1 collagenous domain.
 CC -----
 CC This SWISS-PROT entry is copyright. It is produced through a collaboration
 CC between the Swiss Institute of Bioinformatics and the EMBL outstation -
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 CC or send an email to license@isb-sib.ch).
 CC -----
 CC EMBL; U59227; AAC50678.1; -;
 CC EMBL; U59228; AAC50679.1; -;
 CC EMBL; AF061189; AAC77371.1; -;
 CC EMBL; AF061190; AAC77372.1; -;
 CC EMBL; AF061191; AAC77373.1; -;
 CC EMBL; AF061192; AAC77374.1; -;
 CC EMBL; AF061193; AAC77375.1; -;
 CC EMBL; AF061194; AAC77376.1; -;
 CC EMBL; AF060997; AAC36302.1; -;
 CC EMBL; AF060998; AAC36303.1; -;
 CC EMBL; AF060999; AAC36303.1; JOINED.
 CC EMBL; AF060992; AAC36303.1; JOINED.
 CC EMBL; AF060993; AAC36303.1; JOINED.
 CC EMBL; AF060994; AAC36303.1; JOINED.
 CC EMBL; AF060995; AAC36303.1; JOINED.
 CC EMBL; AF060996; AAC36303.1; JOINED.
 CC EMBL; AF060997; AAC36303.1; JOINED.
 CC EMBL; AF060628; AAC77363.1; -;
 CC EMBL; AF158069; CAD18880.1; -;
 CC EMBL; AF158141; CAD13493.1; -;
 CC Genew; HGNC:3157; ED1.
 CC MIM; 300451; -;
 CC MIM; 305100; -;
 CC GO; GO:0005856; C:cytoskeleton; TAS.
 CC GO; GO:0016021; C:integral to membrane; TAS.
 CC GO; GO:0005624; C:membrane fraction; TAS.
 CC GO; GO:0005866; C:plasma membrane; TAS.
 CC GO; GO:0005102; F:receptor binding; TAS.
 CC GO; GO:0007398; P:ectoderm development; TAS.
 CC GO; GO:0007165; P:signal transduction; TAS.
 CC InterPro; IPR008160; Collagen.
 CC InterPro; IPR006052; TNF family.
 CC InterPro; IPR008983; TNF_like.

```

Query Match: 7.0%; Score 114; DB 1; length 391;
Best Local Similarity 21.6%; Pred. No. 0.016;
Matches 49; Conservative 36; Mismatches 90; Indels 52; Gaps 9

Qy 93 PAAAGAPETLAVGVKLTTPAAPRPHNSGCHNRRAFGQPEETGVDYLSAPAPCLPCR 152
Db 200 PGIPGIPGIPGTTVWGPFGPPF-----PGQPGPGLQGGSGAAD---KAGTRENQPAV 251
Qy 153 HGHHDNGNNLNN-----IIDCQLINDSTPIIRKGTTFVFWMLSPFGNALKEKN 207
Db 252 HLGQGSALQVNDLISGVLNDWSITWN---PVEFK-----LTPRSG 291
Qy 208 KIVRGTYFFIISQV-----LYTDPFPMGHVIQRKKVHFGDELVLTLFRCIONMK 262
Db 292 ELEVLVDGTFFIYSQVEYVYNFTD--PASYEVVDEK-----PFLQCTRIET 338
Qy 263 TLPM-NSCSAGIARLEGEDELQALAPENNOISRNDPPFGATK 308
Db 339 GKTNYTCTYAGVCLLKARQKILAVKVAHADISINMSKHITPFGARIL 385

RESULT 7
EDA_MOUSE
ID EDA_MOUSE STANBARD; PRT: 391 AA.
AC 054593; 035705; 09QW78; 09QZ01; 09QZ02;
DT 15-JUL-1999 (Rel. 38, Created)
DT 15-JUL-1999 (Rel. 38, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Ectodysplasin A (EDA protein homolog) (Tabby protein).
EDL OR GDA OR TA.
OS Mus musculus (Mouse).
OC Eukaryotes; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A. (ISOFORMS TAA; TAB AND TAC).
RC STRAIN=129/SV;
RX MEDLINE=98058770; PubMed=9371801;
RA Shitavata A.K., Pispas J., Hartung A.J., Du Y., Ezer S., Jenks T.,
RA Shimada T., Pekkanen M., Mikko M.L., Ko M.S.H., Thesleff I.,
RA Kere J., Schlessinger D.;
RT "The Tabby phenotype is caused by mutation in a mouse homologue of the
RT EDA gene that reveals novel mouse and human exons and encodes a
RT protein (ectodysplasin-A) with collagenous domains."
RT Proc. Natl. Acad. Sci. U.S.A. 94:13069-13074(1997).
RL [2]
RP SEQUENCE FROM N.A. (ISOFORM TAD).
RX MEDLINE=97449184; PubMed=9285798;
RA Ferguson B.M., Brockdorff N., Formstone E., Nguyen T.,
RA Kromm J.E., Zonana J.;
RT "Cloning of Tabby, the murine homolog of the human EDA gene: evidence
RT for a membrane-associated protein with a short collagenous domain.";
RT Hum. Mol. Genet. 6:1589-1594(1997).
RL [3]
RP SEQUENCE FROM N.A. (ISOFORMS TA-A2 AND TA-A3).
RC TISSUE=Embryo;
RX MEDLINE=20005791; PubMed=10534613;
RA Mikko M.L., Pispas J., Pekkanen M., Paulin L., Nieminen P., Kere J.,
RA Thesleff I.;
RT "Ectodysplasin, a protein required for epithelial morphogenesis, is a
RT novel TGF homologue and promotes cell-matrix adhesion.";
RT Mech. Dev. 88:133-146(1999).
RL [4]
RP FUNCTION: Involved in epithelial-mesenchymal signaling during
RP morphogenesis of ectodermal organs. Isoform TAA binds only to the
RP receptor EDAR, while isoform TA-A2 binds exclusively to the
RP receptor XEDAR.
CC -1- SUBUNIT: Homodimer (By similarity).
CC -1- SUBCELLULAR LOCATION: Type II membrane protein and secreted (By
CC similarity).
CC -1- ALTERNATIVE PRODUCTS.
CC Event=Alternative splicing. Named isoforms=6;
CC Comment=Additional isoforms seem to exist;
CC

```

CC	Name=TA; Synonyms=A1;
CC	Isoid=O54693-1; Sequence=Displayed;
CC	Name=TA-A2;
CC	Isoid=O54693-2; Sequence=VSP_006471;
CC	Name=TA-A3;
CC	Isoid=O54693-3; Sequence=VSP_006469, VSP_006471;
CC	Name=PAB;
CC	Isoid-O54693-4; Sequence=VSP_006466, VSP_006467;
CC	Name=TAC;
CC	Isoid=O54693-5; Sequence=VSP_006465, VSP_006468;
CC	Name=PAD;
CC	Isoid=O54693-6; Sequence=VSP_006470;
CC	-I- PM: N-glycosylated (By similarity).
CC	-I- PM: Processing by furin produces a secreted form (By similarity).
CC	-I- DISEASE: Defects in EDL are the cause of the tabby phenotype in mice (the equivalent of anhidrotic ectodermal dysplasia in humans). The disease is characterized by sparse hair (ectrichosis or hypotrichosis), abnormal or missing teeth and the inability to sweat due to the absence of sweat glands.
CC	-I- SIMILARITY: Belongs to the tumor necrosis factor family.
CC	-I- SIMILARITY: Contains 1 collagenous domain.
CC	-----
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CC	-----
DR	EMBL; AF016627; AAB95202.1; -
DR	EMBL; AF016628; AAB95203.1; -
DR	EMBL; AF016629; AAB95204.1; -
DR	EMBL; AF016630; AAB95205.1; -
DR	EMBL; AF016631; AAB95206.1; -
DR	EMBL; AF004434; AAB88121.1; -
DR	EMBL; AF004435; AAB88122.1; -
DR	EMBL; Y13438; CAA73849.1; -
DR	EMBL; AJ243657; CAB52696.1; -
DR	EMBL; AJ243658; CAB52697.1; -
DR	MGI; MGI:119527; Eda.
DR	GO; GO:0045175; C:apical part of cell; IDA.
DR	GO; GO:0005789; C:endoplasmic reticulum membrane; IDA.
DR	GO; GO:0005887; C:integral to plasma membrane; IDA.
DR	GO; GO:007160; P:cell-matrix adhesion; IDA.
DR	GO; GO:0042346; P:positive regulation of NF-kappaB protein-nu.; IDA.
DR	GO; GO:0007431; P:salivary gland development; IDA.
DR	InterPro; IPR006160; Collagen.
DR	InterPro; IPR006052; TNF family.
DR	InterPro; IPR008983; TNF_like.
DR	Pfam; PF01391; Collagen; 1.
DR	SMART; SMO0207; TNF; 1.
DR	PROSITE; PS00251; TNF_1; FALSE_NEG.
DR	PROSITE; PS50049; TNF_2; 1.
KW	Differentiation; Developmental protein; Collagen; Transmembrane;
KW	Signal-anchor; Glycoprotein; Alternative splicing.
KM	ECTODYSPLASIN A' MEMBRANE FORM.
FT	CHAIN 1 391
FT	CHAIN 160 391
FT	DOMAIN 1 41
FT	TRANSMEM 42 62
FT	DOMAIN 63 391
FT	DOMAIN 180 229
FT	SITE 159 160
FT	CARBOHYD 313 313
FT	CARBOHYD 372 372
FT	VARSPLIC 133 238
FT	
FT	VARSLINKAGE (BY FURIN) (BY SIMILARITY).
FT	N-LINKED (GLCNAC...) (POTENTIAL).
FT	N-LINKED (GLCNAC...) (POTENTIAL).
FT	MALINTFFPEPKAESEESRVRNRSKSGEGADGVPYXK
FT	KGGKAGPGNGGPGGPGPGPGPGIPGIPGIPGVVM
FT	GPGGPDPGPGPGPGIGOGSGAA -> VSHLGGAALAP
FT	SPALGGELGRACGTLPRAKKFGGRSWENGVLCRGCPQG
FT	VVLSSCGSSSEPSVMSWAQPARPAALGEVMAA (In
FT	isoform TAC).

FT	VARSPLIC	169	177	/FtId=VSP_006465. PVKKKCKK-> KSTGYIFPP (In isoform TAB).
FT	VARSPLIC	178	391	/FtId=VSP_006466. Missing (in isoform TAB).
FT	VARSPLIC	239	391	/FtId=VSP_006467. Missing (in isoform TAC).
FT	VARSPLIC	265	267	/FtId=VSP_006468. Missing (in isoform TA-A3).
FT	VARSPLIC	295	308	/FtId=VSP_006469. Missing (in isoform TAD).
FT	VARSPLIC	307	308	/FtId=VSP_006470. Missing (in isoform TA-A2 and isoform TA-A3).
FT	VARSPLIC	307	308	/FtId=VSP_006471.
FT	VARSPLIC	307	308	D -> E (IN REF. 2).
SQ	SEQUENCE	391 AA,	41603 MM;	E5FCEDA5BD60DEFB CRG64;
	Query Match	Best Local Similarity	6.9%; Score 112; DB 1; Length 391; Matches 48; Conservative 36; Mismatches 91; Indels 52; Gaps 9	Pred. No. 0.024;
QY	93	PAAGAPRLTAGVKLTLPAAEPHNSSGGHNRRAFGQEETNEQVDLSAPPAPCLPGCR	152	
Db	200	PGATGPBPCTTGTTWGPDPGPP-----PQPQPPPLQLQGSGAADRGTRENO---PAYV	251	
QY	153	HSQHDDNGMNLRN-----LIQCGLIADSPTFIIRKGTYTFVPWLSEFKGNALAEKEN	207	
Db	252	HLQQGSASIAQVMDLDSGVLMDSMTWN--PKVFx-----LHPRSSG	291	
QY	208	KIVVRQTGFYFYISQV-----LYNPIFMGHVITRKRVHYVGDELSVLTLFRCLQNMPK	262	
Db	292	ELEVAVDGFYRITYSQVEYYYNFTD--PASVEVVADER-----PFLQCTRSIET	338	
QY	263	TLPVN-NSCSAGIALIEEGDEHTOLAIPEMNQAISNGDTFFGALKL	308	: : : :
Db	339	GKTMYNTCYTAGVCILTKAROKRIAYVMVAIDISIMSKTTPFGAIRL	385	: : : : :
RESULT 8				
TI60 RAT	ID	_TI60_RAT	STANDARD;	PRT; 392 AA.
AC	Og9mK2:			
DT	15-MAR-2004	(Rel. 43, Created)		
BT	15-MAR-2004	(Rel. 43, Last sequence update)		
DT	15-MAR-2004	(Rel. 43, Last annotation update)		
DE	Histone acetyltransferase HTRIP (EC 2.3.1.48) (60 kDa Rat interactive protein) (Tip60) (Fragment)			
DN	HTRIP OR TIP60 OR TIP6OB.			
OS	Rattus norvegicus (Rat).			
CC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
OC	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Rattus.			
OX	NCBI_Taxid=10116;			
RN	[1]			
RP	SEQUENCE FROM N.A., AND INTERACTION WITH APP.			
RX	MEDLINE=21334727; PubMed=11441186;			
RA	Cao X., Suedhof T.C.;			
RT	"A transcriptionally active complex of APP with Fe65 and histone acetyltransferase Tip60."			
RL	Science 293:115-120(2001). ;			
CC	- FUNCTION: Histone acetyltransferase that plays major roles DNA repeat and apoptosis following double strand DNA breaks.			
CC	Acylation of histones gives a specific tag for epigenetic transcription activation (By similarity).			
CC	- CATALYTIC ACTIVITY: Acetyl-CoA + histone = CoA + acetyl-histone.			
CC	- SUBUNIT: Interacts with PLAZGA/CPLA2, EDNRA and HDAC7. Component of the TIP60 HAT complex, at least composed of HTRIP/TIP60, RUBBL1/TIP49, RUBBL2/TIP48 and TRRAP, which preferentially acetylates histone H4 (and H2a) within nucleosomes (By similarity).			
CC	- SUBCELLULAR LOCATION: Nuclear. Upon stimulation with EDNI, it is exported from the nucleus to the perinuclear region (By similarity). Interacts with the cytoplasmic tail of APP.			
CC	- PTM: Phosphorylated. Phosphorylated form has a higher activity (By similarity).			

CC	similarity).
CC	-1- PWM: Ubiquitinated by MDM2, leading to its proteasome-dependent degradation (By similarity).
CC	-1- SIMILARITY: Belongs to the MST (SAS/MOZ) family.
CC	-----
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CC	-----
DR	EMBL; AF333984; AAK20836.1; -
DR	InterPro; IPR002717; MOZ SAS.
DR	Pfam; PF01853; MOZ_SAS; 1.
KM	Transcription regulation, Transferase; Activator; Nuclear protein;
KM	Zinc-finger, Phosphorylation; Ub1 conjugation.
FT	NON_TER 1 1
FT	ZN_FING 147 169
FT	MOD_RES 24 24
FT	MOD_RES 28 28
FT	-----
FT	NON_TER 392 392
FT	SEQUENCE 392 AA; 44738 MW; B4167602016788A9 CRC64;
SO	-----
Query Match	Best Local Similarity 6.7%; Score 109.5; DB 1; Length 392;
Matches	54; Conservative 22.8%; Pred. No. 0.04; Mismatches 77; Indels 81; Gaps 11;
OY	92 TPAAGAP-----ELTRGVKLTPAARP-----HNSR-----GHRN 124
DB	15 TPTKNGIPGSRPGSPEREYKKEVVEVPATPVPSETPASVFPONGSARVAAPQPKR 74
OY	125 RRATQGEETEDVDLAPAPCLPGGRHS--CHDDNGMNRNTIOCLQIADSDPTI 182
DB	75 KSNCLGTDEDSQSDSGIPSAFKTGSLVDSRSHDLYTRMKI--ECIEL----- 123
OY	183 RKGTYTEVPMILSPKGNALAEKENKIIVROTGYFFIYSQVLYTDPFAMGHVIOKKVH 242
DB	124 --GHRLEKFW-----YFSYPQELTTLTPVLYLCEFCIK--- 154
OY	243 VFGBELSLVT--LRCIQNMPKTIPLNNSCYSAGIARLEEGEIGIOLAPRENAQISRN 297
DB	155 -YGRSLKCLORHLTKRCDLRHP--FGNEIYRKGTISFEID-----GRKKYSQN 201

RESULT 9

ID	T160_MOUSE	STANDARD	PRT	513 AA
AC	Q8CHK4; Q8CGZ3; Q8CGZ4; Q8VTH0;			
DT	15-MAR-2004 (Rel. 43, Created)			
DT	15-MAR-2004 (Rel. 43, Last sequence update)			
DT	15-MAR-2004 (Rel. 43, Last annotation update)			
DE	Histone acetyltransferase HTATIP (EC 2.3.1.48) (60 kDa Tat interactive protein) (T160).			
GN	HTATIP OR T160.			
OS	Mus musculus (Mouse).			
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
OC	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.			
NC	NCBI_Taxid=10090;			
NC	[1]			
RP	SEQUENCE FROM N.A. (ISOFORM 1), SUBCELLULAR LOCATION, AND TISSUE SPECIFICITY.			
RC	STRAIN=129/SvJ;			
RC	MEDLINE=22032968; PubMed=12036595;			
RA	McAllister D., Merlo X., Lough J.W.;			
RT	60 kD (T160) gene";			
RU	Gene 289:169-176(2002).			
RU	[2]			
RP	SEQUENCE FROM N.A. (ISOFORM 3).			
RP	MEDLINE=22686535; PubMed=12801643;			
RP				

RA Legube G., Trousche D.,
 RT "Identification of a larger form of the histone acetyl transferase
 RT Tip60.";
 RL Gene 310:161-168 (2003).
 RN [3]
 RP SEQUENCE FROM N.A. (ISOFORMS 1 AND 2).
 RC STRAIN=C57BL/6;
 RA Szendro P.I., Cadenas C., Eichele G.;
 RT "Cloning of mouse Tip60.";
 RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
 RN [4]
 RP SEQUENCE FROM N.A. (ISOFORM 4).
 RC STRAIN=W/MV;
 RA Daigo Y., Takayama I., Fujino M.A.;
 RT "Isolation and characterization of novel human and mouse genes, which
 RT are expressed in the digestive tract.";
 RL Submitted (FEB-2001) to the EMBL/GenBank/DBJ databases.
 CC -1- FUNCTION: Histone acetyltransferase that plays major roles DNA
 CC repair and apoptosis following double strand DNA breaks.
 CC Acetylation of histones gives a specific tag for epigenetic
 CC transcription activation (By similarity).
 CC -1- CATALYTIC ACTIVITY: Acetyl-CoA + histone = CoA + acetyl-histone.
 CC -1- SUBUNIT: Interacts with the cytoplasmic tail of App. Interacts
 CC with PLAG4/CPLA2, EDNRA and HDAC7. Component of the Tip60
 CC complex, at least composed of HTRIP/Tip60, RUVBL1/Tip49,
 CC RUVB2/Tip48 and TRRAP, which preferentially acetylates histone H4
 CC (and H2A) within nucleosomes (By similarity).
 CC -1- SUBCELLULAR LOCATION: Nuclear. Upon stimulation with EDN1, it is
 CC exported from the nucleus to the perinuclear region (By
 CC similarity).
 CC -1- ALTERNATIVE PRODUCTS:
 CC Event=Alternative splicing; Named isoforms=4;
 CC Name=1;
 CC IsoId=Q8CHK4-1; Sequence=Displayed;
 CC Name=2;
 CC IsoId=Q8CHK4-2; Sequence=VSP_009107;
 CC Name=3;
 CC IsoId=Q8CHK4-3; Sequence=VSP_009106;
 CC Name=4;
 CC IsoId=Q8CHK4-4; Sequence=VSP_009105;
 CC Note=No experimental confirmation available;
 CC -1- TISSUE SPECIFICITY: Expressed in testis, heart, brain, kidney and
 CC liver. Weakly expressed in lung.
 CC -1- PTM: Phosphorylated on Ser-86 and Ser-90; enhanced during G2/M
 CC phase. Phosphorylated form has a higher activity (By similarity).
 CC -1- PTM: Ubiquitinated by MDM2, leading to its proteasome-dependent
 CC degradation (By similarity).
 CC -1- SIMILARITY: Belongs to the MYST (SAS/MOZ) family.
 CC -----
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 CC or send an email to license@isb-sib.ch).
 CC -----
 CC EMBL; AY061983; AAL34981.1; -;
 DR EMBL; AF528194; AAN77140.1; -;
 DR EMBL; AF528195; AAN77141.1; -;
 DR EMBL; AF528196; AAN77142.1; -;
 DR EMBL; AB055409; BAC53807.1; -;
 DR MGI; MGI:1932051; Htatip.
 DR GO; GO:0005667; C:transcription factor complex; IDA.
 DR GO; GO:0005515; F:protein binding; IPI.
 DR GO; GO:0003713; F:transcription co-activator activity; IDA.
 DR GO; GO:0045449; P:regulation of transcription; IDA.
 DR InterPro; IPR000953; Chromo.
 DR InterPro; IPR002717; MOZ SAS.
 DR Pfam; PF01853; MOZ_SAS_1.
 DR SMART; SM00258; CHROMO_1.
 KW Zinc-finger; Phosphorylation; Ubl conjugation; Alternative splicing.

FT ZN_FING 261 283 C2HC-TYPE (POTENTIAL).
 FT MOD_RES 86 86 PHOSPHORYLATION (BY SIMILARITY).
 FT MOD_RES 90 90 PHOSPHORYLATION (BY CDC2) (BY
 FT MOD_RES 90 90 SIMILARITY).
 FT VARSPLIC 1 211 Missing (in isoform 4).
 FT VARSPLIC 1 211 /FtId=VSP_009105.
 FT VARSPLIC 4 4 V -> VSPVPGAGRRRPPGRRGRRPVPVAPGVALSPQ
 FT VARSPLIC 4 4 (in isoform 3).
 FT VARSPLIC 96 147 /FtId=VSP_009106.
 FT VARSPLIC 96 147 Missing (in isoform 2).
 FT VARSPLIC 96 147 /FtId=VSP_009107.
 SQ SEQUENCE 513 AA; 5859 MW; EACEE4D544C0D860 CRC64;
 Query Match 6.7%; Score 109; DB 1; Length 513;
 Best Local Similarity 23.0%; Pred. No. 0.063;
 Matches 71; Conservative 28; Mismatches 100; Indels 110; Gaps 15;
 4 SAKTLPPP---CLCFSEKGEKDMKGYDPIPTPOKEGAMGICRDLAATLLALLSS 60
 102 SGTLPPIVQTLTFLNLPKEREALPGEPDGP-----LSS 136
 61 SPTMSLYQLAALQADLNTLMELQSYRGATPPAAGAPETAGVKLLTPAAPPHNSR 120
 137 S-----SCLPNNHSTYRKVEV-SPATP-----VPSETA-----PASVFPQNSA 176
 121 -----GHRNRPAPQPEETEDVDLSAPAPCLPGCHS--QHDNGMTLNTIYDC 170
 177 BRAVAAGQGRKXKNCIGTDESDSGDIPSAFRMGLSVSRSHDIYTRKNI--EC 234
 171 LQLADSDPTPIRRTGTYTFVWMLSPKGNALBEKENKIYVRQGYFFIYQVLYTPIF 230
 235 IEL-----GRHLKFW-----YSPFPQELTTLPLV 260
 231 AMGHVIOKRVHFGDELSTVT--LPRCIQMPKTLPNNSCYSGIARLESGDEIQLAIP 288
 261 YLCERCLK-----YRSIKLCIQRLTKCDLRHF--FGNELYRKGTISFEID-----G 306
 289 KENNAQISRN 297
 307 KKNKSYSQN 315
 RESULT 10
 TNFA_PERLE STANDARD; PRT; 235 AA.
 AC TNFA_PERLE 36939;
 DT 01-JUN-1994 (Rel. 29, Created)
 DT 01-JUN-1994 (Rel. 29, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 GN TNF OR TNFSF2 OR TNFA.
 DE Tumor necrosis factor precursor (TNF-alpha) (Tumor necrosis factor
 DE ligand superfamily member 2) (TNF-a) (Cachectin).
 OS Peromyscus leucopus (White-footed mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Sigmodontinae;
 OC Peromyscus.
 OK NCBI_TaxID=10041;
 RN (1)
 RP SEQUENCE FROM N.A.
 RX MEDLINE=92218012; PubMed=1348497;
 RA Crew M.D., Filipowsky M.E.;
 RT "Sequence of the tumor necrosis factor/cachectin (TNF) gene from
 RT Peromyscus leucopus (family Cricetidae).";
 RL Immunogenetics 35:351-353(1992).
 CC -1- FUNCTION: Cytokine that binds to TNFRSF1A/TNFR1 and
 CC TNFRSF1B/TNFR. It is mainly secreted by macrophages and can
 CC induce cell death of certain tumor cell lines. It is potent
 CC pyrogen causing fever by direct action or by stimulation of
 CC interleukin 1 secretion and is implicated in the induction of
 CC cachexia. Under certain conditions it can stimulate cell
 CC proliferation and induce cell differentiation.
 CC -1- SUBUNIT: Homotrimer (By similarity).
 CC -1- SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an

CC extracellular soluble form (By similarity).
CC -1- PM: The soluble form derives from the membrane form by
CC proteolytic processing (By similarity).
CC -1- PM: The membrane form, but not the soluble form, is
CC phosphorylated on serine residues. Dephosphorylation of the
CC membrane form occurs by binding to soluble TNFRSF1A/TNFR1 (By
CC similarity).
CC -1- DISEASE: Cachexia accompanies a variety of diseases, including
CC cancer and infection, and is characterized by general ill health
CC and malnutrition.
CC
CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.
CC
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CC
CC EMBL, MS9233; AAA40596.1; -.
CC PIR, I54490; I54490.
CC HSSP, P06804; 2TNF.
CC InterPro: IPR006053; TNF_abc.
CC InterPro: IPR006052; TNF_family.
CC InterPro: IPR008983; TNF_like.
CC InterPro: IPR003636; TNF_subf.
CC Pfam, PF00229; TNF; 1.
CC PRINTS; PR01234; TNECROSISFCT.
CC ProDom; PD002012; TNF_subf; 1.
CC SMART, SM00207; TNF; 1.
CC PROSITE; PS00251; TNF_1; 1.
CC PROSITE; PS00049; TNF_2; 1.
CC CycloKine; Transmembrane; Signal-anchor; Phosphorylation.
CC CHAIN 1 235 TUMOR NECROSIS FACTOR, MEMBRANE FORM.
CC DOMAIN 80 235 CYTOPLASMIC (POTENTIAL).
CC TRANSMEM 36 56 SIGNAL-ANCHOR (TYPE-II MEMBRANE PROTEIN)
CC (POTENTIAL).
CC DOMAIN 57 235 EXTRACELLULAR (POTENTIAL).
CC SITE 79 80 CLEAVAGE (BY ADAM17) (BY SIMILARITY).
CC MOD_RES 2 2 PHOSPHORYLATION (BY CK1) (BY SIMILARITY).
CC DISULFID 148 179 BY SIMILARITY.
CC CARBOHYD 86 86 N-LINKED (GLYCNIC...) (POTENTIAL).
CC FT SEQUENCE 235 AA; 25822 MW; 23545CF99A6C24 CRC64;
SQ
Query Match 6.7%; Score 108; DB 1; Length 235;
Best Local Similarity 24.6%; Pred. No. 0.028;
Matches 35; Conservative 30; Mismatches 39; Indels 38; Gaps 9;
QY 192 WLSPFRG-----NALREKENKIYVRQRYGYFIYSQVYX----IDPIFMGHVQRKV 241
DB 107 WL---SRGNALLANMDIKDQVLVPADGLVIVSQVLFKQGGSSVYLLHVTSRRAV 163
QY 242 HVFGDELIVTLFRCIQNMPTLNNNS-----CYSAGIARLESGDEI--QLAIPR-- 289
DB 164 S-YEDKVNLLSAIK--SPCKETPEESSEIKPWPEPIYLGSGVQLKRGDRLSVMVLPKYL 220
QY 290 ---ENAIQISRNGDDTFFGAIKL 308
DB 221 DFAESGOV-----YFGVIAL 235
RESULT 11
TNFA_SAISC STANDARD; PRT; 233 AA.
AC Q8MKG8;
DT 10-OCT-2003 (Rel. 42, Created)
DT 10-OCT-2003 (Rel. 42, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Tumor necrosis factor precursor (TNF-alpha) (Tumor necrosis factor
DB 1)sgd superfamily member 2) (TNF-a) (Cachectin).
GN TNF OR TNFSF2 OR TNFA.

OS Saimiri sciureus (Common squirrel monkey).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Platyrrhini; Cebidae; Saimiri.
OX NCBI_TaxID=9521;
RN [1]
RX SEQUENCE FROM N.A. MEDLINE=21976788;
RA Herard J.M., Lavergne A., Kazanji M.,
RT Molecular cloning, characterization, and quantification of squirrel
RT monkey (Saimiri sciureus) Th1 and Th2 cytokines.";
RI Immunogenetics 54:20-29(2002).
RN [2]
RP SEQUENCE FROM N.A. MEDLINE=12628762;
RX Merien F., Lavergne A., Behr C., Contamin H.,
RA "Sequencing and analysis of genomic DNA and cDNA encoding TNF-alpha in
RT the squirrel monkey (Saimiri sciureus)."
RI Ver. Immunol. Immunopathol. 92:37-43(2003).
CC -1- FUNCTION: Cytokine that binds to TNFRSF1A/TNFR1 and
CC TNFRSF1B/TNFR. It is mainly secreted by macrophages and can
CC induce cell death of certain tumor cell lines. It is potent
CC pyrogen causing fever by direct action or by stimulation of
CC interleukin 1 secretion and is implicated in the induction of
CC cachexia. Under certain conditions it can stimulate cell
CC proliferation and induce cell differentiation (By similarity).
CC -1- SUBUNIT: Homotrimer (By similarity).
CC -1- SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an
CC extracellular soluble form (By similarity).
CC -1- PM: The soluble form derives from the membrane form by
CC proteolytic processing (By similarity).
CC -1- PM: The membrane form, but not the soluble form, is
CC phosphorylated on serine residues. Dephosphorylation of the
CC membrane form occurs by binding to soluble TNFRSF1A/TNFR1 (By
CC similarity).
CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.
CC
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CC
CC EMBL, AF294760; AA92047.1; -.
CC EMBL, AJ437687; CAD27179.1; -.
CC EMBL, AJ437688; CAD27180.1; -.
CC InterPro: IPR006053; TNF_abc.
CC InterPro: IPR006052; TNF_family.
CC InterPro: IPR008983; TNF_like.
CC InterPro: IPR003636; TNF_subf.
CC Pfam, PF00229; TNF; 1.
CC PRINTS; PR01234; TNECROSISFCT.
CC ProDom; PD002012; TNF_subf; 1.
CC SMART, SM00207; TNF; 1.
CC PROSITE; PS00251; TNF_1; 1.
CC PROSITE; PS00049; TNF_2; 1.
CC CycloKine; Transmembrane; Signal-anchor; Phosphorylation.
CC CHAIN 1 233 TUMOR NECROSIS FACTOR, MEMBRANE FORM (BY
CC SIMILARITY).
CC DOMAIN 77 233 TUMOR NECROSIS FACTOR, SOLUBLE FORM (BY
CC SIMILARITY).
CC TRANSMEM 33 55 SIGNAL-ANCHOR (TYPE-II MEMBRANE PROTEIN)
CC (BY SIMILARITY).
CC DOMAIN 56 233 EXTRACELLULAR (POTENTIAL).
CC SITE 76 77 CLEAVAGE (BY ADAM17) (BY SIMILARITY).
CC MOD_RES 2 2 PHOSPHORYLATION (BY CK1) (BY SIMILARITY).
CC DISULFID 145 177 BY SIMILARITY.
CC FT SEQUENCE 233 AA; 25578 MW; 197F066F744FCAD CRC64;
SQ
Query Match 6.6%; Score 106.5; DB 1; Length 233;
Best Local Similarity 28.4%; Pred. No. 0.038;

Matches 38; Conservative 28; Mismatches 47; Indels 21; Gaps 9;

QY 192 WILSFKEGNAL-----EKENKIIVROTYGFFIYSQVLY-----TDPIFAMGHVIRKKV 241
 DB 104 WL-NRANMLLNGVLRNOLVPSDGLVYSQVLFSGQSGPSTFTLTISIRIAY 161
 QY 242 HVEDELSLVTLFR--CIQMP---KTLF--NSCYSAGIARLEEGDEIQLAI--PRENAOI 294
 DB 162 S-YOAKVNLISAIKSPQRETFPRGAKTHPWYEPYIYIGVYQLKGRDLSEISPPDSDL 220
 QY 295 SRNGDTEFFGALKL 308
 DB 221 AEGG-QVYFGIAL 233

RESULT 12
 TNFA TRIVU
 ID TNFA TRIVU STANDARD; PRT; 233 AA.
 AC P79374;
 DT 15-JUL-1998 (Rel. 36, Created)
 DT 15-JUL-1998 (Rel. 36, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Tumor necrosis factor precursor (TNF-alpha) (Tumor necrosis factor ligand superfamily member 2) (TNF-a) (Cachectin).
 GN TNF OR TNF2 OR TNFA.
 OS Trichosurus vulpecula (Brush-tailed possum).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Metatheria; Diprotodontia; Phalangeridae; Trichosurus.
 OX NCBI_Taxid=9337;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=96315690; Pubmed=8724002;
 RA Medlock D.N., Aldwell F.R., Buddle B.M.;
 RT "Molecular cloning and characterization of tumor necrosis factor alpha (TNF-alpha) from the Australian common brushtail possum, Trichosurus vulpecula."
 RL Immunol. Cell Biol. 74:151-158(1996).
 CC -1- FUNCTION: Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR2. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin 1 secretion and is implicated in the induction of cachexia, under certain conditions it can stimulate cell proliferation and induce cell differentiation (By similarity).
 CC -1- SUBUNIT: Homotrimer (By similarity).
 CC -1- SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an extracellular soluble form (By similarity).
 CC -1- PTM: The soluble form derives from the membrane form by proteolytic processing (By similarity).
 CC -1- PTM: The membrane form, but not the soluble form, is phosphorylated on serine residues. Dephosphorylation of the membrane form occurs by binding to soluble TNFRSF1A/TNFR1 (By similarity).
 CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.
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 CC EMBL; S83283; AAB49506.1; -
 CC EMBL; AF016102; AAC48766.1; -
 CC HSSP; P01375; 4TSV.
 CC InterPro; IPR006053; TNF_abg.
 CC InterPro; IPR006052; TNF_family.
 CC InterPro; IPR008983; TNF_like.
 CC InterPro; IPR003636; TNF_subf.
 CC Pfam; PF00229; TNF; 1.
 CC PRINTS; PR01234; TNFCROSSISFCT.
 CC ProDom; PD002012; TNF_subf; 1.

DR SMART; SM00207; TNF; 1.
 DR PROSITE; PS00251; TNF_1; 1.
 DR PROSITE; PS00491; TNF_2; 1.
 KW Cytokine; Transmembrane; Signal-anchor; Phosphorylation
 FT CHAIN 1 233
 FT CHAIN 278 233
 FT DOMAIN 1 233
 FT DOMAIN 278 233
 FT TRANSMEM 36 56
 FT TUMOR NECROSIS FACTOR, MEMBRANE FORM.
 FT CYTOPLASMIC (POTENTIAL).
 FT SIGNAL-ANCHOR (TYPE-II MEMBRANE PROTEIN) (POTENTIAL).
 FT EXTRACELLULAR (POTENTIAL).
 FT SITE 57 233
 FT SITE 77 78
 FT MOD_RES 2 2
 FT DISULFID 145 177
 FT PHOSPHORYLATION (BY CK1) (BY SIMILARITY).
 FT BY SIMILARITY.
 SQ SEQUENCE 233 AA; 25704 MW; 56FDD9F46DC406E CRC64;

Query Match 6.5%; Score 106; DB 1; Length 233;
 Best Local Similarity 23.8%; Pred. No. 0.042;
 Matches 46; Conservative 34; Mismatches 83; Indels 30; Gaps 8;

QY 130 GPEETGQVDLSADPAPCLPCCRHSQHDNGMNLNITQCLQIADSDPTIRKGTTF 189
 DB 57 GPOKEOSTDPTFLMKPLTGVRSLQNES-----AKVVAHLIADQ---LAEGQLW 104
 QY 190 VPMILSFKEGNALREKENKIIVROTYGFFIYSQVLYTDPIFAMGHVIRKKVHFGDELS 249
 DB 105 VGDVANTILNNGMELVDNOLVPSDGLVYSQVLFSGQSGKESLVTHKISR--TIS 162
 QY 250 L--VTFRCIQNPKTLPNNS-----CYSAGIARLEEGDE--IQLAIPRENAOIS 295
 DB 163 YOKKVTLLANIRSSCRRAEDDEPSAWYEPVYLAGVQLTEGDKLVDTNYP--ENLDFA 221
 QY 296 RNSGDTFFGALKL 308
 DB 222 EPG-QVYFGIAL 233

RESULT 13
 TNFA HUMAN
 ID TNFA HUMAN STANDARD; PRT; 513 AA.
 AC Q92993; Q95624; Q13430; Q9BWK7;
 DT 15-JUL-1998 (Rel. 36, Created)
 DT 10-OCT-2003 (Rel. 42, Last sequence update)
 DT 15-MAR-2004 (Rel. 43, Last annotation update)
 DE Histone acetyltransferase HWTIP (EC 2.3.1.48) (60 kDa Tat interactive protein) (Tip60) (HIV-1 Tat interactive protein) (cPLA2) interacting protein.
 GN HWTIP OR TIP60.
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
 OX NCBI_Taxid=9606;
 RN [1]
 RP SEQUENCE FROM N.A. (ISOFORM 1).
 RC TISSUE=Lymphoblast;
 RX MEDLINE=96182937; Pubmed=8607265;
 RA Kamine J., Elangovan B., Subramanian T., Coleman D., Chinnadurai G.;
 RT "Identification of a cellular protein that specifically interacts with the essential cysteine region of the HIV-1 Tat transactivator.";
 RL Virology 216:357-366(1996).
 RN [2]
 RP SEQUENCE FROM N.A. (ISOFORM 2), INTERACTION WITH PLA2G4A, AND SUBCELLULAR LOCATION.
 RC TISSUE=Fibroblast, and Placenta;
 RX MEDLINE=21309279; Pubmed=11416127;
 RA Sheridan A.M., Force T., Yoon H.J., O'Leary E., Choukroun G., Taheri M.R., Bonventre J.V.;
 RT "Tip60, a novel splice variant of Tip60, interacts with group IV cytosolic phospholipase A(2), induces apoptosis, and potentiates prostaglandin production.";
 RL Mol. Cell. Biol. 21:4470-4481(2001).
 RN [3]
 RP SEQUENCE FROM N.A. (ISOFORM 3).

FT MUTAGEN 254 254 A-86. REDUCED ACTIVITY.
 FT MUTAGEN 257 257 L->A: DOES NOT AFFECT PHOSPHORYLATION
 FT MUTAGEN 380 380 WHEN ASSOCIATED WITH A-257.
 FT MUTAGEN 380 380 L->A: DOES NOT AFFECT PHOSPHORYLATION
 FT MUTAGEN 380 380 WHEN ASSOCIATED WITH A-254.
 FT MUTAGEN 380 380 G->A: LOSS OF FUNCTION. DOES NOT AFFECT
 FT MUTAGEN 382 382 PHOSPHORYLATION.
 FT MUTAGEN 382 382 G->R (IN REF. 1).
 FT MUTAGEN 513 513 G 63724F5E10B57D5 CRC64;
 FT MUTAGEN 513 513 G 63724F5E10B57D5 CRC64;
 Query Match 6.5%; Score 106; DB 1; Length 513;
 Best Local Similarity 22.7%; Pred. No. 0.12;
 Matches 70; Conservative 29; Mismatches 100; Indels 110; Gaps 15;

QY 4 SAKTLPP---CICFCSEKEDMKVGYDPTTPKEBAMGICRDRLLATLTLALSS 60
 DB 102 SKTLPLPVQTLTFNFNPKEREALPGSEPOF-----LSS 136
 QY 61 SFTAMSLYQALALQADIMNLRLMELQSYSGATPAAGAPETAGVKLTPAPRPNSSR 120
 DB 137 S-----SCQPNHRSRTRKREYV-SPATP-----VPSETA-----PASVFPQNGAA 176
 QY 121 -----GRRNRAPFGPEETEDVDLSAPAPCLPGCRHS--QHDNGMNLRLNITDQC 170
 DB 177 RRAVAAPGRRKSNCLGTDESDGIPAPRMTGSLVSRSHDDIVTRKNI--EC 234
 QY 171 LQLIADSDPTIRKGYTFVPMILSFRRGNALBEKKNKIVRQGYFFYSQVLYTDPF 230
 DB 235 IEL-----GRRRLKFW-----YFSPYQGLTLPLV 260
 QY 231 AMGHVIOKKVHVFGEDELSTV--LFRQIONMFKTLPNNSCYGAGIARLEEGDEIQLAIP 288
 DB 261 YLCEFFCLK-----YGRSLKCLQRLTKCDLRFH--FGNEIYKGTISFEID-----G 306
 QY 289 RENAQISRN 297
 DB 307 RKNKYSQN 315

RESULT 14
 TNFA BOSIN STANDARD; PRT; 234 AA.
 ID TNFA BOSIN STANDARD; PRT; 234 AA.
 AC P59664;
 DT 10-OCT-2003 (Rel. 42, Created)
 DT 10-OCT-2003 (Rel. 42, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Tumor necrosis factor precursor (TNF-alpha) (Tumor necrosis factor
 ligand superfamily member 2) (TNF-a) (Cachectin).
 OS Bos indicus (zebu).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
 OC Bovidae; Bovinae; Bos.
 OX NCBI_TaxID=9915;
 RN [1]
 RP SEQUENCE FROM N.A.
 RA Bind R.B., Saini M., Walunj S.S., Gupta P.K.:
 RT Cloning and expression of tumor necrosis factor alpha (TNF-a) gene
 from Indian cattle.
 RL Submitted (JAN-2003) to the EMBL/GenBank/DBJ databases.
 CC -1- FUNCTION: Cytokine that binds to TNFRSF1A/TNFR1 and
 TNFRSF1B/TNFR2. It is mainly secreted by macrophages and can
 induce cell death of certain tumor cell lines. It is potent
 pyrogen causing fever by direct action or by stimulation of
 interleukin 1 secretion and is implicated in the induction of
 cachexia. Under certain conditions it can stimulate cell
 proliferation and induce cell differentiation (By similarity).
 CC -1- SUBUNIT: Homotrimer (By similarity).
 CC -1- SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an
 extracellular soluble form (By similarity).
 CC -1- PTM: The soluble form derives from the membrane form by
 proteolytic processing (By similarity).
 CC -1- PTM: The membrane form, but not the soluble form, is

CC phosphorylated on serine residues. Dephosphorylation of the
 CC membrane form occurs by binding to soluble TNFRSF1A/TNFR1 (By
 CC similarity).
 CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.
 CC -----
 CC This SWISS-PROT entry is copyright. It is produced through a collaboration
 CC between the Swiss Institute of Bioinformatics and the EMBL outstation
 CC the European Bioinformatics Institute. There are no restrictions on its
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 CC or send an email to license@isb-sib.ch).
 CC -----

DR EMBL; AY221123; AA062081.1; -
 DR InterPro; IPR006052; TNF family.
 DR InterPro; IPR008983; TNF-like.
 DR InterPro; IPR003636; TNF subf.
 DR Pfam; PF00229; TNF; 1.
 DR ProDom; PD002012; TNF subf; 1.
 DR SMART; SM00207; TNF; 1.
 DR PROSITE; PS00251; TNF_1; 1.
 DR PROSITE; PS00449; TNF_2; 1.
 DR PROSITE; PS00449; TNF_2; 1.
 KW Cytokine; Transmembrane; Signal-anchor; Phosphorylation.
 FT CHAIN 1 234
 FT CHAIN 78 234
 FT DOMAIN 1 33
 FT TRANSMEM 34 56
 FT SIGNAL-ANCHOR (POTENTIAL).
 FT CYTOPLASMIC (POTENTIAL).
 FT TUMOR NECROSIS FACTOR, SOLUBLE FORM (BY
 FT SIMILARITY).
 FT TUMOR NECROSIS FACTOR, MEMBRANE FORM (BY
 FT SIMILARITY).
 FT SIGNAL-ANCHOR (TYPE-II MEMBRANE PROTEIN)
 FT (BY SIMILARITY).
 FT DOMAIN 57 234
 FT SITE 77 78
 FT MOD RES 2 2
 FT DISTLFD 146 178
 FT SEQUENCE 234 AA; 25567 MW; BAE4D0C379F491 CRC64;
 Query Match 6.5%; Score 105.5; DB 1; Length 234;
 Best Local Similarity 20.9%; Pred. No. 0.047;
 Matches 40; Conservative 44; Mismatches 82; Indels 25; Gaps 7;

QY 130 GPEETEDVDLSAPAPCLGCRHSCHDNGMNLRLNITDQCLQIADSDPTIRKGYTF 189
 DB 57 GPQREBOSPGGSPNSPLVQTLRSSQASNNKPVAAH-----VADINPGQLRWDSY 109
 QY 190 VPMILSFRRGNALBEKKNKIVRQGYFFYSQVLY-----TDPFAMGHVIOKKVH 243
 DB 110 ANALMA-----NGVLEDNQVLVPADGLYLYSQVLPFGQCCPSTPLF-LHTISRLAVS- 163
 QY 244 FGDELSTVLF--CIQNMFKTLP--NNSCSAGIARLEEGDEIQLAIPRENAQISRN 297
 DB 164 YQTVNLTLSIKRSCHEPTEPMALAKWPEPIYQGVQLEKDRLSAEINLPYLDYAE 223
 QY 298 GDDTFPGALKL 308
 DB 224 SGQVYFGIAL 234

RESULT 15
 TNFA CAPHI STANDARD; PRT; 234 AA.
 ID TNFA CAPHI STANDARD; PRT; 234 AA.
 AC P1396; 028320; Q9MY22;
 DT 01-JAN-1990 (Rel. 13, Created)
 DT 28-FEB-2003 (Rel. 41, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Tumor necrosis factor precursor (TNF-alpha) (Tumor necrosis factor
 ligand superfamily member 2) (TNF-a) (Cachectin).
 OS Capra hircus (Goat).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
 OC Bovidae; Caprinae; Capra.
 OX NCBI_TaxID=9925;
 RN [1]

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

CM protein - protein search, using sw model

Run on: August 25, 2004, 14:32:58, Search time 78.0303 Seconds
(without alignments)
1249.452 Million cell updates/sec

Title: US-09-911-777b-2
Perfect score: 1624
Sequence: 1 MDESAKTLPPCLCFCEKSGK.....ENAGISRNQDDPTFGALKL 309

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 1017041 seqs, 315518202 residues

Total number of hits satisfying chosen parameters: 1017041

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

SPREMBL_25.*
1: sp_archaea:*
2: sp_bacteria:*
3: sp_fungi:*
4: sp_human:*
5: sp_invertebrate:*
6: sp_mammal:*
7: sp_mhc:*
8: sp_organelle:*
9: sp_phase:*
10: sp_plant:*
11: sp_rodent:*
12: sp_virus:*
13: sp_vertebrate:*
14: sp_unclassified:*
15: sp_ivirus:*
16: sp_bacteriaph:*
17: sp_archaeap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1500.5	92.4	290	11	Q7Q58
2	1337	82.3	258	11	Q8BZM8
3	979	60.3	199	11	Q8BWP2
4	978	60.2	194	11	Q8BVA3
5	818.5	50.4	266	4	Q7Z5J2
6	778.5	47.9	208	4	Q81Z16
7	720.5	44.4	174	4	Q81Z15
8	687.5	42.3	158	4	Q81Z14
9	600.5	37.0	146	11	Q8BXM2
10	237	14.6	410	11	Q8BXM2
11	235.5	14.5	250	4	Q8NFK7
12	210	12.9	330	4	Q8NFK7
13	124.5	7.7	282	13	Q9DPI9
14	110.5	6.8	461	11	Q8CGZ3
15	109.5	6.7	392	11	Q9SMK2
16	109	6.7	513	11	Q8V1H0

17	108	6.7	261	5	Q8MRW2	Q8mrw2 drosophila
18	108	6.7	325	5	Q9VSG2	Q9vsg2 drosophila
19	108	6.7	409	5	Q8YX88	Q8yx88 drosophila
20	108	6.7	409	5	Q81GB3	Q81gb3 drosophila
21	108	6.7	415	5	Q8MUC1	Q8muc1 drosophila
22	107	6.6	102	11	Q9DA17	Q9da17 mus musculus
23	103	6.3	232	11	Q80XA4	Q80xa4 peromyscus
24	102.5	6.3	81	11	Q8BV69	Q8bv69 mus musculus
25	102	6.3	386	11	Q8CGZ4	Q8cgz4 mus musculus
26	101.5	6.2	471	10	Q8SBA0	Q8sba0 oryza sativ
27	101.5	6.2	471	10	Q7XC70	Q7xc70 oryza sativ
28	100.5	6.2	217	6	Q9BSE4	Q9bse4 cabassous u
29	100	6.2	217	11	Q9SRG6	Q9srg6 peromyscus
30	98.5	6.1	149	6	Q97538	Q97538 actus vocif
31	98.5	6.1	149	6	Q97T58	Q97t58 actus nigri
32	98	6.0	2948	4	Q86WC6	Q86wc6 homo sapien
33	97	6.0	216	6	Q9BER0	Q9ber0 macroptus ru
34	96.5	5.9	138	6	Q97T57	Q97t57 actus lemur
35	96.5	5.9	426	16	Q8P9B4	Q8p9b4 xanthomonas
36	96	5.9	156	11	Q91ZL4	Q91z14 sigmodon hi
37	96	5.9	255	13	Q9DEP9	Q9dep9 oncorhynch
38	95.5	5.9	149	6	Q97543	Q97543 actus nancy
39	95.5	5.9	217	6	Q9BEC1	Q9bec1 bradyptus tr
40	95	5.8	287	11	Q8X3G0	Q8x3g0 rattus norv
41	95	5.8	369	16	Q8G7G2	Q8g7g2 bilidobacte
42	93.5	5.8	216	6	Q9BEC4	Q9bec4 talpa europ
43	93.5	5.8	253	13	Q7T194	Q7t194 acanthopagr
44	93	5.7	255	13	Q91810	Q91810 salvelinus
45	92.5	5.7	216	6	Q9BEC9	Q9bec9 ochotona pr

ALIGNMENTS

RESULT 1

ID Q7Q58 PRELIMINARY; PRT; 290 AA.
AC Q7Q58;
DT 01-OCT-2003 (TREMBLrel. 25, Created)
DT 01-OCT-2003 (TREMBLrel. 25, Last sequence update)
DT 01-OCT-2003 (TREMBLrel. 25, Last annotation update)
DE Delta BARF.
GN TNSRFL3B.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_Taxid=10090;
RN [1]
RC SEQUENCE FROM N.A.
RP STRAIN=BARF/C;
RA Gavin A.L., Alt-Azouzene D., Ware C.F., Nemazee D.;
RT "Delta BARF, an isoform of BARF, regulates BARF function."
RL Submitted (MAY-2003) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY290823; AAF82036.1; -
SQ SEQUENCE 290 AA; 32165 MW; BC289F9FF8187C9C CRC64;

Query Match	92.4%	Score 1500.5;	DB 11;	Length 290;
Best Local Similarity	93.5%	Pred. No. 4.9e-138;		
Matches 289;	Conservative	0;	Mismatches 1;	Indels 19;
				Gaps 1;
QY	1	MDESAKTLPPCLCFCEKSGKEDMKVGYDPTTPQREGAWPGICRGRLLATLLALLSS	60	
DB	1	MDESAKTLPPCLCFCEKSGKEDMKVGYDPTTPQREGAWPGICRGRLLATLLALLSS	60	
QY	61	SFTAVSLYQLAALQADLMNLMELQSTRGSGATPAAAGAPETITAGVKLLTPAARPHNSR	120	
DB	61	SFTAVSLYQLAALQADLMNLMELQSTRGSGATPAAAGAPETITAGVKLLTPAARPHNSR	120	
QY	121	GHRNRRAFGPEEPEODLSAPAPAPCPGCRHSQHDNGNMLNITIDCQLIADSDTP	180	
DB	121	GHRNRRAFGPEEPEODLSAPAPAPCPGCRHSQHDNGNMLNITIDCQLIADSDTP	180	
QY	181	TTRKGTITVFVFWLISFRGNALKEKENKIVVRQTGTFIYSQVLYTDPITAMGHVIRPK	240	
DB	181	TTRKGTITVFVFWLISFRGNALKEKENKIVVRQTGTFIYSQVLYTDPITAMGHVIRPK	240	

Db 166 ----RITTFVPMWLSFRGNALBKEKNIIVROTFYFISQVLYDPIFMGHVQRRK 221
 QY 241 VHVFGDELSTVTLFRCIQNMKTLPPNNSCSAGIARLEBDEIQLAIPRENAQISNGDD 300
 Db 222 VHVFGDELSTVTLFRCIQNMKTLPPNNSCSAGIARLEBDEIQLAIPRENAQISNGDD 261
 QY 301 TFFGALKL 309
 Db 282 TFFGALKL 290

RESULT 2

Q8BZM8 PRELIMINARY; PRT; 258 AA.
 ID Q8BZM8
 AC Q8BZM8;
 DT 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
 DE Tumor necrosis factor (Fragment).
 GN TNFSF13B.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Dienecephalon;
 RX MEDLINE=22354683; PubMed=12466851;
 RA The FANTOM Consortium,
 RA the RIKEN Genome Exploration Research Group Phase I & II Team;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 60,770 full-length cDNAs."
 RL Nature 420:563-573(2002).
 DR EMBL; AK034121; BAC28593.1;
 DR MGD; MGI:1344376; Tinf13b.
 DR GO; GO:0016020; C:membrane; IEA.
 DR GO; GO:0005164; F:tumor necrosis factor receptor binding; IEA.
 DR GO; GO:0006955; P:immune response; IEA.
 DR InterPro; IPR006052; TNF family.
 DR InterPro; IPR008983; TNF-like.
 DR PROSITE; PSS0049; TNF_2; 1.
 FT NON-ITER
 SQ SEQUENCE 258 AA; 28604 MW; E6431FB93E782810 CRC64;

Query Match 82.3%; Score 1337; DB 11; Length 258;
 Best Local Similarity 100.0%; Pred. No. 3.9e-122;
 Matches 258; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 TLLALSSSFTFMSLYQLAALQADIMLRMELQSYRGSATPAAGAPLITAGVKLLTPA 111
 Db 1 TLLALSSSFTFMSLYQLAALQADIMLRMELQSYRGSATPAAGAPLITAGVKLLTPA 60
 QY 112 APPPHNSRGRHRRRAFOGPEETEODVDSAPPAPCLPCGRHSQHDNDGNNLRNIIDCL 171
 Db 61 APPPHNSRGRHRRRAFOGPEETEODVDSAPPAPCLPCGRHSQHDNDGNNLRNIIDCL 120
 QY 172 QLIADSDPTIRKGYTFVPMWLSFRGNALBKEKNIIVROTFYFISQVLYDPIFPA 231
 Db 121 QLIADSDPTIRKGYTFVPMWLSFRGNALBKEKNIIVROTFYFISQVLYDPIFPA 180
 QY 232 MGHVIOKKVHVFGDELSTVTLFRCIQNMKTLPPNNSCSAGIARLEBDEIQLAIPREN 291
 Db 181 MGHVIOKKVHVFGDELSTVTLFRCIQNMKTLPPNNSCSAGIARLEBDEIQLAIPREN 240
 QY 292 AQISRNGDDTFFGALKL 309
 Db 241 AQISRNGDDTFFGALKL 258

RESULT 3
 Q8BWP2 PRELIMINARY; PRT; 199 AA.
 ID Q8BWP2

AC Q8BWP2;
 DT 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
 DE Tumor necrosis factor.
 GN TNFSF13B.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Liver;
 RX MEDLINE=22354683; PubMed=12466851;
 RA The FANTOM Consortium,
 RA the RIKEN Genome Exploration Research Group Phase I & II Team;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 60,770 full-length cDNAs."
 RL Nature 420:563-573(2002).
 DR EMBL; AK050384; BAC34225.1;
 DR MGD; MGI:1344376; Tinf13b.
 SQ SEQUENCE 199 AA; 21654 MW; 39392021D4EPD320 CRC64;

Query Match 60.3%; Score 979; DB 11; Length 199;
 Best Local Similarity 99.5%; Pred. No. 2.5e-87;
 Matches 185; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDESAKTLPPCLCFCEKSGEDMKVGYDPTTPQEEBAMGICRDGRLATLALLSS 60
 Db 1 MDESAKTLPPCLCFCEKSGEDMKVGYDPTTPQEEBAMGICRDGRLATLALLSS 60
 QY 61 SFTFMSLYQLAALQADIMLRMELQSYRGSATPAAGAPLITAGVKLLTPAAPPNNSR 120
 Db 61 SFTFMSLYQLAALQADIMLRMELQSYRGSATPAAGAPLITAGVKLLTPAAPPNNSR 120
 QY 121 GHRNRRAFQGEETEODVDSAPPAPCLPCGRHSQHDNDGNNLRNIIDCLQLIADSDTP 180
 Db 121 GHRNRRAFQGEETEODVDSAPPAPCLPCGRHSQHDNDGNNLRNIIDCLQLIADSDTP 180
 QY 181 TIRKGT 186
 Db 181 TIRKGS 186

RESULT 4

Q8BVA3 PRELIMINARY; PRT; 194 AA.
 ID Q8BVA3

AC Q8BVA3;
 DT 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-JUN-2003 (TREMBlrel. 24, Last annotation update)
 DE Tumor necrosis factor.
 GN TNFSF13B.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Urinary bladder;
 RX MEDLINE=22354683; PubMed=12466851;
 RA The FANTOM Consortium,
 RA the RIKEN Genome Exploration Research Group Phase I & II Team;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 60,770 full-length cDNAs."
 RL Nature 420:563-573(2002).
 DR EMBL; AK079180; BAC37571.1;
 DR MGD; MGI:1344376; Tinf13b.
 SQ SEQUENCE 194 AA; 20961 MW; 85FCF3495B138377 CRC64;

Query Match 60.2%; Score 978; DB 11; Length 194;
 Best Local Similarity 100.0%; Pred. No. 3e-87;
 Matches 185; Conservative 0; Mismatches 0; Indels 0; Gaps 0;


```

QY 1 MDESATLPPCLCFCEKEDMKVYDPTTPOKEGAMFGICRDBLLAATLALLS 60
DB 1 MDESATLPPCLCFCEKEDMKVYDPTTPOKEGAMFGICRDBLLAATLALLS 60
QY 61 SFTMSLYQLALQADLNLNLMELQSYGSAATPAAAGAPBELTAGYKLTTPAAPPHSSR 120
DB 61 SFTMSLYQLALQADLNLNLMELQSYGSAATPAAAGAPBELTAGYKLTTPAAPPHSSR 120
QY 121 GHRNRFAFGPEETEDVDLSAPAPCLPGCHSHQHDNGMLNIIQDCLQIADSDPTP 180
DB 121 GHRNRFAFGPEETEDVDLSAPAPCLPGCHSHQHDNGMLNIIQDCLQIADSDPTP 180
QY 181 TIRKG 185
DB 181 TIRKG 185

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RESULT 5

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Q725J2 PRELIMINARY; PRT; 266 AA.
ID 0725J2
AC 0725J2;
DT 01-OCT-2003 (TREMBlrel. 25, Created)
DT 01-OCT-2003 (TREMBlrel. 25, Last sequence update)
DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
DE Delta BAF.
GN TNSF13B.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Gavin A.L., Alt-Azouzene D., Ware C.F., Nemaee D.;
RT "Immunobiology of Delta BAF."
RL Submitted (May-2003) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY302751; AAP8164.1; -.
SQ SEQUENCE 266 AA; 29137 MW; 6BD06F9061152C6 CRC64;

```

Query Match 50.4%; Score 818.5; DB 4; Length 266;

Best Local Similarity 55.7%; Pred. No. 1.8e-71; Matches 177; Conservative 30; Mismatches 50; Indels 61; Gaps 5;

```

QY 1 MDESATLPPCLCFCEKEDMKV-GYDPTTPOKEGAMFGICRDBLLAATLALLS 59
DB 1 MDSATER-EQSRITCTCKREMKKECVSLPRKESPS-VASSDKLMAATLALLS 58
QY 60 SFTMSLYQLALQADLNLNLMELQSYGSAATPAAAGAP-----LTAGYKLTTPA 111
DB 59 CCLTYVSPYQVALQGDLSLAELOGHAEKLPAGAGAPKAGLEAPAVTAGLTFEP 118
QY 112 APRPHNNSGHRNRFAFGPEETEDVDLSAPAPCLPGCHSHQHDNGMLNIIQDCL 171
DB 112 APRPHNNSGHRNRFAFGPEETEDVDLSAPAPCLPGCHSHQHDNGMLNIIQDCL 171
QY 119 AGEENSSQNSNKAAGVQPEET----- 141
DB 119 AGEENSSQNSNKAAGVQPEET----- 141
QY 172 QIADSDPTTIRKGYTFVPMILSPKGNALKEENKIIVROGYFFIYSQVLYDPTIFA 231
DB 142 -----GSYTFVPMILSPKGNALKEENKIIVROGYFFIYSQVLYDPTIFA 188
QY 232 MGHVIOKKVHVGDELSTVTLFRCLQNPMTLPPNNSCSAGIARLEEGDEIOLAIPREN 291
DB 189 MGHVIOKKVHVGDELSTVTLFRCLQNPMTLPPNNSCSAGIARLEEGDEIOLAIPREN 248
QY 292 AQISRGDDTFFGALKL 309
DB 249 AQISLDGDTFFGALKL 266

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RESULT 6

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Q81216 PRELIMINARY; PRT; 208 AA.
ID 081216
AC 081216;
DT 01-MAR-2003 (TREMBlrel. 23, Created)

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DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
DE B-lymphocyte stimulator (Fragment).
GN TNSF13B.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Gao H., He F., Li R.;
RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY129226; AAN08422.1; -.
DR GO; GO:0016020; C:membrane; IEA.
DR GO; GO:0005164; F:tumor necrosis factor receptor binding; IEA.
DR GO; GO:0006955; P:immune response; IEA.
DR InterPro; IPR006052; TNF family.
DR InterPro; IPR008983; TNF-like.
DR PROSITE; PS50049; TNF_2; 1.
FT NON TER 1
SQ SEQUENCE 208 AA; 22767 MW; EEA31D27033AA53 CRC64;

```

Query Match 47.9%; Score 778.5; DB 4; Length 208;

Best Local Similarity 64.4%; Pred. No. 1e-67; Matches 154; Conservative 22; Mismatches 24; Indels 39; Gaps 2;

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QY 79 NLMELQSYGSAATPAAAGAP-----LTAGYKLTTPAAPPHSSRGRNRRAFOG 130
DB 1 SLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPAPAGSSQNSNKAAGVQ 60
QY 131 PEETEDVDLSAPAPCLPGCHSHQHDNGMLNIIQDCLQIADSDPTTIRKGYTFV 190
DB 61 PEET-----VTQDCLQIADSDPTTIRKGYTFV 89
QY 191 PWLISFRGNALKEENKIIVROGYFFIYSQVLYDPTFAMGHVIOKKVHVGDELST 250
DB 90 PWLISFRGNALKEENKIIVROGYFFIYSQVLYDPTFAMGHVIOKKVHVGDELST 149
QY 251 VTLFRCLQNPMTLPPNNSCSAGIARLEEGDEIOLAIPRENAQISRGDDTFFGALKL 309
DB 150 VTLFRCLQNPMTLPPNNSCSAGIARLEEGDEIOLAIPRENAQISLDGDTFFGALKL 208

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RESULT 7

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Q81215 PRELIMINARY; PRT; 174 AA.
ID 081215
AC 081215;
DT 01-MAR-2003 (TREMBlrel. 23, Created)
DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
DE B-lymphocyte stimulator (Fragment).
GN TNSF13B.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA He F., Gao H., Li R.;
RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY129227; AAN08423.1; -.
DR GO; GO:0016020; C:membrane; IEA.
DR GO; GO:0005164; F:tumor necrosis factor receptor binding; IEA.
DR GO; GO:0006955; P:immune response; IEA.
DR InterPro; IPR006052; TNF family.
DR InterPro; IPR008983; TNF-like.
DR PROSITE; PS50049; TNF_2; 1.
FT NON TER 1
SQ SEQUENCE 174 AA; 19479 MW; 1AEBD4F2862B350 CRC64;

```

Query Match 44.4%; Score 720.5; DB 4; Length 174;

Best Local Similarity 68.3%; Pred. No. 3.7e-62; Matches 140; Conservative 18; Mismatches 16; Indels 31; Gaps 1;

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QY 105 VKLTPAPRPNNSSGHNRRAPQGPETEQQVDLSAPPAPCLPGCRHSQHDNGMNR 164
DB 1 LKIFEPAPGEGNSQNSRNKRAVQGPETE----- 30
QY 165 NIIDQCQLIADSDPTPIRKGTYTFVPMILSPKRGNALEKKNKIVVROGYFFIYQVL 224
DB 31 -VTQDCLQIADSETPIQKSTYTFVPMILSPKRGSALEKKNKILVKTGTGFFIYQVL 89
QY 225 YTDPIFAMGHVIRKKVHVFGEDELSTVTLFRCIQNMPTLNNSCYSAGIARLEGGDEIQ 284
DB 90 YTDKTYAMGHVIRKKVHVFGEDELSTVTLFRCIQNMPTLNNSCYSAGIARLEGGDEIQ 149
QY 285 LATPRENAQISRNQDDTFEGALKL 309
DB 150 LTLPRENAQISLDGDTFFGALKL 174

RESULT 8
Q81214 PRELIMINARY; PRT; 158 AA.
AC Q81214;
DT 01-MAR-2003 (TREMBlrel. 23, Created)
DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
DE B-lymphocyte stimulator (Fragment).
GN TNFSF13B.
OS Homo sapiens (human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA He F., Gao H., Li R.;
RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
DB EMBL: AY129228; AAC08424.1;
DR GO: GO:0016020; C:membrane; IEA.
DR GO: GO:0005164; F:tumor necrosis factor receptor binding; IEA.
DR GO: GO:0006955; P:immune response; IEA.
DR InterPro: IPR006052; TNF family.
DR InterPro: IPR008983; TNF-like.
DR PROSITE: PSS0049; TNF_2; 1.
FT NON_TER 1
SQ SEQUENCE 158 AA; 17826 MW; 8346BC0D333DCAB CRC64;

Query Match 42.3%; Score 687.5; DB 4; Length 158;
Best Local Similarity 71.1%; Pred. No. 5.4e-59;
Matches 133; Conservative 15; Mismatches 8; Indels 31; Gaps 1;

QY 123 RNRRAQGPETEQQVDLSAPPAPCLPGCRHSQHDNGMNLNIIDQCQLIADSDPTPI 182
DB 3 RNRRAVQGPETE-----VTQDCLQIADSETPTI 31
QY 183 RKQTYTFVPMILSPKRGNALEKKNKIVVROGYFFIYQVLTDPIFAMGHVIRKKVH 242
DB 32 QKQSYTFVPMILSPKRGSALEKKNKILVKTGTGFFIYQVLTDTKTYAMGHVIRKKVH 91
QY 243 VFGEDELSTVTLFRCIQNMPTLNNSCYSAGIARLEGGDEIQIATPRENAQISRNQDDTF 302
DB 92 VFGEDELSTVTLFRCIQNMPTLNNSCYSAGIARLEGGDEIQIATPRENAQISLDGDTFF 151
QY 303 FGALKL 309
DB 152 FGALKL 158

RESULT 9
Q8JHJ4 PRELIMINARY; PRT; 268 AA.
AC Q8JHJ4;
DT 01-OCT-2002 (TREMBlrel. 22, Created)
DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)

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DE TNF family B cell activation factor.
GN BAFp.
OS Gallus gallus (chicken).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC Gallus.
OX NCBI_TaxID=9031;
RN [1]
RP SEQUENCE FROM N.A.
RA Schneider K., Koltow S., Schneider P., Goebel T., Kaspers B.,
RA Steheli P.;
RT "A chicken homolog of the B cell activating factor of the TNF family
RT (BAFp).";
RL Submitted (OCT-2002) to the EMBL/GenBank/DBJ databases.
DB EMBL: AF506010; AAC0951.2;
DR GO: GO:0016020; C:membrane; IEA.
DR GO: GO:0005164; F:tumor necrosis factor receptor binding; IEA.
DR GO: GO:0006955; P:immune response; IEA.
DR InterPro: IPR006052; TNF family.
DR InterPro: IPR008983; TNF-like.
DR PROSITE: PSS0049; TNF_2; 1.
SQ SEQUENCE 268 AA; 31629 MW; 8E2F291D2495B79 CRC64;

Query Match 37.0%; Score 600.5; DB 13; Length 288;
Best Local Similarity 48.0%; Pred. No. 3.6e-50;
Matches 135; Conservative 29; Mismatches 60; Indels 57; Gaps 5;

QY 54 LVALSSPTAMSLYQALQADLMRLMELQSYRGA-----TPAAGAPETTAGVK-106
DB 40 LAMLSGLAVSLYHATLTKELEALRSEL-IRVAPRPFLOPPSPDKKAGASVSS 98
QY 107 -LITPAPRPNNSSRG-----HNRRAQGPETEQQVDLSAPPAPCL 148
DB 99 FLOWSAAGARQENLPSPSPAESFQTEIWDNRNRGRSIVNAET----- 144
QY 149 PGCRHSQHDNGMNLNIIDQCQLIADSDPTPIRKGTYTFVPMILSPKRGNALEKKNK 208
DB 145 -----VLQACQLIADSKSDIQQKDDSIIVMLSPKRGTLLEGGNK 187
QY 209 IVVROGYFFIYQVLTDPFIAMGHVIRKKVHVFGEDELSTVTLFRCIQNMPTLNNSS 268
DB 188 IVIKETGYFFIYQVLTDTTPAMGHVIRKKVHVFGEDELSTVTLFRCIQNMPTSPYNNSS 247
QY 269 CYSAGIARLEGGDEIQIATPRENAQISRNQDDTFEGALKL 309
DB 248 CYTAGIARLEGGDEIQIATPRRRAKISLDGDTFFGAVRL 288

RESULT 10
Q8BX52 PRELIMINARY; PRT; 410 AA.
AC Q8BX52;
DT 01-MAR-2003 (TREMBlrel. 23, Created)
DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
DE Tumor necrosis factor.
OS Mus musculus (mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RA STRAIN=C57BL/6J; TISSUE=Retina;
RX MEDLINE=22354683; PubMed=12466851;
RA The FANTOM Consortium;
RA The RIKEN Genome Exploration Research Group Phase I & II Team;
RT "Analysis of the mouse transcriptome based on functional annotation of
RT Nature 420:563-573 (2002).";
RL EMBL: AK044387; BAC31897.1;
DR PIR: P70714; P70714.
DR GO: GO:0016020; C:membrane; IEA.
DR GO: GO:0005164; F:tumor necrosis factor receptor binding; IEA.

```


OS Gallus gallus (Chicken).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
 OC Gallus.
 OX NCBI_TaxID=9031;
 RN [1]
 RE SEQUENCE FROM N.A.
 RA McDonald C.U., Lough J.W.;
 RL "Histone acetyltransferase CMYST";
 RT Submitted (SEP-2000) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF05883; AAG3323.1;
 DR GO; GO:000785; C:chromatin; IEA.
 DR GO; GO:0005634; C:nucleus; IEA.
 DR GO; GO:0003682; P:chromatin binding; IEA.
 DR GO; GO:0016740; P:transferase activity; IEA.
 DR GO; GO:0006533; P:chromatin assembly/disassembly; IEA.
 DR InterPro; IPR000953; Chromo.
 DR InterPro; IPR002717; MOZ_SAS.
 DR Pfam; PF01853; MOZ_SAS; 1.
 DR SMART; SM00298; CHROMO; 1.
 KW Transferase.
 KM NON_TER
 SQ SEQUENCE 282 AA; 32046 MW; BFEDF610C2A8C99 CRC64;
 Query Match 7.7%; Score 124.5; DB 13; Length 282;
 Best Local Similarity 22.8%; Pred. No. 0.0011;
 Matches 59; Conservative 29; Mismatches 74; Indels 97; Gaps 12;

QY 81 RMELOSIRG-----SATPAAAGAP-----ELTAGVKLTLPAPRP----- 115
 Db 62 RLDLQVQGPKEKPTKNGLFGSRPSPERDPRKRVESVSPATVPATETQSASVFP 121
 QY 116 -HNSSR-----GHNRRAFQGPETEODVLSAPPAPCLPGCRHS--QHDDNGMLNLTN 165
 Db 122 QNSARRAVAAQPRKRSKACLTGDDSDSGASAPRMGSLVSDSHDITVRMKN 181
 QY 166 IIDQCLQIADSDPTIRKGYTFVPMILSFKGNALKEKENKIVVROTGVEFFISQVLYT 225
 Db 182 I-ECIEL-----GRHLKPM-----YSPYPOELT 205
 QY 226 TDPIFAM-----GHVIOKRVHFGDELSLVT-LFRCIQNMPTLPNNSCYAGIARLE 278
 Db 206 ALPVLVLCFCKLYGSLKCLQNH-----LTKCDLRHP--FGNEIYRKGTISFPE 252
 QY 279 EGDEIOLAPRENAQISRN 297
 Db 253 EID-----GRKXKYSYSON 265

RESULT 14
 Q8CGZ3 PRELIMINARY; PRT; 461 AA.
 AC Q8CGZ3;
 DT 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
 DE Rat-Interactive 60 kDa protein beta isoform.
 GN HTATIP.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RE SEQUENCE FROM N.A.
 RA Szendro P.I., Cadenas C., Etchele G.;
 RL "Cloning of mouse Tip60";
 RT Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF528196; AAT7742.1;
 DR MGD; MGI:1932051; Htatip.
 DR GO; GO:0005667; C:transcription factor complex; IDA.
 DR GO; GO:0005515; F:protein binding; IPI.
 DR GO; GO:0003713; F:transcription co-activator activity; IDA.

DR GO; GO:0045449; P:regulation of transcription; IDA.
 DR InterPro; IPR000953; Chromo.
 DR InterPro; IPR002717; MOZ_SAS.
 DR Pfam; PF01853; MOZ_SAS; 1.
 DR SMART; SM00298; CHROMO; 1.
 SQ SEQUENCE 461 AA; 53092 MW; D3B238AF01737E83 CRC64;
 Query Match 6.8%; Score 110.5; DB 11; Length 461;
 Best Local Similarity 22.2%; Pred. No. 0.052;
 Matches 56; Conservative 30; Mismatches 81; Indels 85; Gaps 12;

QY 81 RMELOSIRG-----RGSATPAAAGAP-----ELTAGVKLTLPAPRP-----H 116
 Db 62 RLDLQVQGPKEKPTKNGLFGSRPSPERDPRKRVESVSPATVPATETQSASVFPQV 121
 QY 117 NSSR-----GHNRRAFQGPETEODVLSAPPAPCLPGCRHS--QHDDNGMLNLTN 167
 Db 122 GSARRAVAAQPRKRSKNCUGTDESDSGIPSAAPRMGSLVSDSHDITVRMKN 180
 QY 168 QDCQLIADSDPTIRKGYTFVPMILSFKGNALKEKENKIVVROTGVEFFISQVLYT 227
 Db 181 -ECIEL-----GRHLKPM-----YSPYPOELT 205
 QY 228 PIFAMGHVIOKRVHFGDELSLVT--LFRCIQNMPTLPNNSCYAGIARLEGEIQL 285
 Db 206 PVLVLCFCK-----YGRSLKCLQNHILTKCDLRHP--FGNEIYRKGTISFPEID 253
 QY 286 AIPRENAQISRN 297
 Db 254 --GRKXKYSYSON 263

RESULT 15
 Q99MK2 PRELIMINARY; PRT; 392 AA.
 AC Q99MK2;
 DT 01-JUN-2001 (TREMBlrel. 17, Created)
 DT 01-JUN-2001 (TREMBlrel. 17, Last sequence update)
 DT 01-OCT-2001 (TREMBlrel. 18, Last annotation update)
 DE TIP60B (Fragment).
 GN TIP60B.
 OS Rattus norvegicus (Rat).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
 OX NCBI_TaxID=10116;
 RN [1]
 RE SEQUENCE FROM N.A.
 RA Cao X., Sudhof T.C.;
 RL "Nuclear signaling of APP cytoplasmic tail";
 RT Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF333984; AAK20836.1;
 DR InterPro; IPR002717; MOZ_SAS.
 DR Pfam; PF01853; MOZ_SAS; 1.
 DR NON_TER
 KM NON_TER
 SQ SEQUENCE 392 AA; 44738 MW; B4167602016788A9 CRC64;
 Query Match 6.7%; Score 109.5; DB 11; Length 392;
 Best Local Similarity 22.8%; Pred. No. 0.052;
 Matches 54; Conservative 25; Mismatches 77; Indels 81; Gaps 11;

QY 92 TPAAGAP-----ELTAGVKLTLPAPRP-----HNSSR-----GHRN 124
 Db 15 TPTKNGLPGRSPGPEVEVKRKEVSPATVPSETAPVFPONGSARRAVAAQPRKR 74
 QY 125 RRAFQGPETEODVLSAPPAPCLPGCRHS--QHDDNGMLNLTN IIDQCLQIADSDPTPT 162
 Db 75 KSNCLGTDESDSGIPSAAPRMGSLVSDSHDITVRMKN I-ECIEL----- 123
 QY 183 RKGTYTFVPMILSFKGNALKEKENKIVVROTGVEFFISQVLYTDPFIAMGHVIOKRVH 242
 Db 124 --GRHLKPM-----YSPYPOELTLPVLVLCFCK----- 154

Wed Aug 25 15:00:40 2004

us-09-911-777b-2.rpt

Page 7

Qy 243 VFCDLSLVT--LFRCIOMPKTLPNNSCYSAGIARLERDEIQLAIPRNOISN 297
Db 155 -YGRSLKCIQRHILTKCDLRHP--PONEIYKXGTISFFELID-----GRKXSYSON 201

Search completed: August 25, 2004, 14:42:20
Job time : 81.0303 secs

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OM protein - protein search, using sw model

Run on: August 25, 2004, 14:25:32 ; Search time 92.0758 Seconds
(without alignments)
948.210 Million cell updates/sec

Title: US-09-911-777b-2

Sequence: 1624
1 MDESAKTLPPCLCFCEKSG.....ENAGISRGDDTFPGALKL 309

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 1586107

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_29jan04.*

1: geneseqp19806.*
2: geneseqp19908.*
3: geneseqp20008.*
4: geneseqp20015.*
5: geneseqp20025.*
6: geneseqp20038.*
7: geneseqp20039.*
8: geneseqp20046.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1624	100.0	309	3 AAY97039	Aay97039 Membrane
2	1624	100.0	309	5 AAU79147	Aau79147 Mouse Neu
3	1624	100.0	309	5 ABU00717	Abj00717 Murine B
4	1624	100.0	309	5 ABG96469	Abg96469 Mouse Neu
5	1624	100.0	309	5 ABP47219	Abp47219 Human Bly
6	1624	100.0	309	5 ABG33578	Abg33578 Murine B
7	1624	100.0	309	6 AAEE37308	Aae37308 Mouse neu
8	1618	99.6	309	3 AAB08262	Aab08262 Amino aci
9	1618	99.6	309	5 AAU10943	Aau10943 Mouse RGP
10	1500.5	92.4	290	2 AAW93567	Aaw93567 Mouse TNF
11	1500.5	92.4	290	2 AAU04393	Aau04393 Murine Ka
12	1500.5	92.4	290	4 AAEE07880	Aae07880 Mouse BAF
13	1500.5	92.4	290	5 AAU79148	Aau79148 Mouse Neu
14	1500.5	92.4	290	5 ABU00718	Abj00718 Murine B
15	1500.5	92.4	290	5 ABG96470	Abg96470 Mouse Neu
16	1500.5	92.4	290	5 ABP47220	Abp47220 Human Bly
17	1500.5	92.4	290	5 ABG33579	Abg33579 Murine B
18	1500.5	92.4	290	6 AAEE37309	Aae37309 Mouse neu
19	1494	92.0	289	5 ABG96468	Abg96468 Mouse neu
20	1494	92.0	289	5 AAEE26219	Aae26219 Mouse neu
21	1494	92.0	289	6 AAEE37307	Aae37307 Mouse neu
22	1125.5	69.3	239	5 ABU00719	Abj00719 Rat B Lym
23	1125.5	69.3	239	5 ABP47221	Abp47221 Human Bly
24	1125.5	69.3	239	5 ABG33580	Abg33580 Rat B Lym
25	1003	61.8	220	5 ABU00720	Abj00720 Rat B Lym

26	1003	61.8	220	5	ABP47222	Abp47222 Human Bly
27	1003	61.8	220	5	ABG33581	Abg33581 Rat B Lym
28	981.5	60.4	207	5	ABU00721	Abj00721 Rat B Lym
29	981.5	60.4	207	5	ABP47223	Abp47223 Human Bly
30	981.5	60.4	207	5	ABG33582	Abg33582 Rat B Lym
31	969	59.7	183	6	ABP96297	Abp96297 Mouse TNF
32	910	56.0	285	2	AAW73043	Aaw73043 Tumour ne
33	910	56.0	285	2	AAW62461	Aaw62461 Human T C
34	910	56.0	285	2	AAW58391	Aaw58391 Homo sapi
35	910	56.0	285	2	AAU22221	Aau22221 Human TNF
36	910	56.0	285	2	AAW93586	Aaw93586 Human TNF
37	910	56.0	285	2	AAU04392	Aau04392 Human Kay
38	910	56.0	285	3	AAU08659	Aau08659 Amino aci
39	910	56.0	285	3	AAU08261	Aau08261 Amino aci
40	910	56.0	285	3	AAU28553	Aau28553 Human TNF
41	910	56.0	285	3	AAU08191	Aau08191 Amino aci
42	910	56.0	285	4	AAU09242	Aau09242 Human TAL
43	910	56.0	285	4	AAU12183	Aau12183 Human PRO
44	910	56.0	285	4	AAU07156	Aau07156 Human tum
45	910	56.0	285	4	AAU71978	Aau71978 Human TNF

ALIGNMENTS

RESULT 1	AAU97039	standard; protein; 309 AA.
ID	AAU97039	
XX	AAU97039;	
AC	AAU97039;	
XX	AAU97039;	
DT	31-OCT-2000	(first entry)
XX	31-OCT-2000	
DE	Membrane bound murine TNF ligand T7.	
XX		
KW	TNF, membrane bound; tumour necrosis factor ligand; D7; trimer;	
KW	NF-kappa-B; modulator; CD40 inducer; gene therapy; vaccine; adjuvant;	
KW	cytostatic; immunosuppressive; antibacterial; antiviral; immunomodulator.	
OS	Mus sp.	
XX		
FE	Key	Location/Qualifiers
FT	Domain	49..70
FT	Modified-site	/label= Transmembrane_domain
XX		266
FT		/note= "Potential N-linked glycosylation site"
XX		
PN	MO200039295-A1.	
XX	06-JUL-2000.	
PD	05-OCT-1999;	99MO-EP007303.
XX	05-OCT-1999;	
PF	23-DEC-1998;	98GB-00028628.
XX	23-DEC-1998;	
PR	(GLAX) GLAXO GROUP LTD.	
XX		
PA	Farrow SN, Kaptein A, Kitson JDA, Winder AJ;	
XX		
PI	WPI; 2000-452393/39.	
XX	WPI; 2000-452393/39.	
DR	N-PSDB; AA51863.	
XX	N-PSDB; AA51863.	
PT	New member of the tumor necrosis factor ligand family, known as the D7	
PT	ligand, useful in treating cancer, autoimmune disease or diseases	
XX	associated with the activation of NF-kappaB.	
FT		
XX		
PS	Disclosure; Fig 6; 48pp; English.	
XX		
CC	This is the membrane bound murine tumour necrosis factor (TNF) ligand,	
CC	D7. D7 or D7 trimers are useful in immunotherapy or treatment of cancer.	
CC	D7 is useful against viral diseases or infections, or as a vaccine	
CC	adjuvant. It may also be used as an immunogen to produce antibodies or	
CC	for screening methods, e.g. for identifying modulators of D7-receptor	

CC interaction. Modulators are useful for immunotherapy, particularly, in
 CC treating inflammation, autoimmune disease, other diseases associated with
 CC activation of transcription factor NF-kappa-B (e.g. rheumatoid arthritis,
 CC neuronal inflammation, asthma), cancers, infections (e.g. septic shock),
 CC or atherosclerosis. The D7 gene is useful in gene therapy, and may be
 CC employed for producing the protein by recombinant techniques. D7
 CC antibodies are useful for locating the protein in a tissue, or for
 CC purifying the protein

XX
 SQ Sequence 309 AA;

Query Match 100.0%; Score 1624; DB 3; Length 309;
 Best Local Similarity 100.0%; Pred. No. 3.2e-165;
 Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAWFGICRGRLLAATLLALLSS 60
 DB 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAWFGICRGRLLAATLLALLSS 60
 QY 61 SFTAMSLYQLAALQADLMNLMELQSYRGSATPAAGAPBLTAGVKLLTPAAPRHNSR 120
 DB 61 SFTAMSLYQLAALQADLMNLMELQSYRGSATPAAGAPBLTAGVKLLTPAAPRHNSR 120
 QY 121 GHRNRRAFQGPETEEDVDLSAPPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
 DB 121 GHRNRRAFQGPETEEDVDLSAPPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
 QY 181 TIRKGTTFVFWMLISFRGNALBEKENKIYVRQGYFFISQVLYTDPFAMGHVIGRKK 240
 DB 181 TIRKGTTFVFWMLISFRGNALBEKENKIYVRQGYFFISQVLYTDPFAMGHVIGRKK 240
 QY 241 VHVFEDELSTVTLPRCIQNMKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
 DB 241 VHVFEDELSTVTLPRCIQNMKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
 QY 301 TFFGALKL 309
 DB 301 TFFGALKL 309

RESULT 2

AAU79147
 ID AAU79147 standard; protein, 309 AA.

XX AAU79147;

DT 02-JUL-2002 (first entry)

DE Mouse Neutrokin-alpha-like protein fragment #1.

XX Mouse; Neutrokin-alpha-like; antibody; immunogen; B-cell cancer;
 KW autoimmune disease; Sjogren's syndrome; systemic lupus erythematosus;
 KW rheumatoid arthritis; chronic lymphocytic leukaemia; multiple myeloma;
 KW Hodgkin's lymphoma; non-Hodgkin's lymphoma; hypergammaglobulinemia;
 KW APRIL; a proliferation-inducing ligand.

XX Mus musculus.

XX WO200218620-A2.

XX 07-MAR-2002.

PF 15-AUG-2001; 2001WO-US025549.

XX 15-AUG-2000; 2000US-0225628P.

PR 23-AUG-2000; 2000US-0227088P.

PR 22-SEP-2000; 2000US-0234338P.

PR 17-OCT-2000; 2000US-0240806P.

PR 30-NOV-2000; 2000US-0250020P.

PR 16-MAR-2001; 2001US-0276248P.

PR 25-MAY-2001; 2001US-0293499P.

PR 07-JUN-2001; 2001US-0296122P.

PR 13-JUL-2001; 2001US-0304809P.

XX (HUMA-) HUMAN GENOME SCI INC.
 PA Yu G, Ebner R, Ni J, Rosen CA, Ulrich S;
 PI WPI; 2002-304259/34.

XX An isolated antibody or portion that specifically binds to a protein
 PT useful in the treatment of diseases such as hypergammaglobulinemia and
 PT cancer.

PS Disclosure; Page 476-477; 482pp; English.

CC The present invention relates to a new antibody, or portion, that
 CC specifically binds to a protein which has a 265 or 250 amino acid
 CC sequence as fully defined in the specification. The antibody of the
 CC invention is useful in treating a disease or disorder such as cancer,
 CC especially B-cell cancer, autoimmune diseases such as Sjogren's syndrome,
 CC systemic lupus erythematosus, rheumatoid arthritis, chronic lymphocytic
 CC leukaemia, multiple myeloma, Hodgkin's lymphoma, non-Hodgkin's lymphoma
 CC or hypergammaglobulinemia, or in diagnosing a disease or disorder
 CC comprising assaying expression of Neutrokin-alpha and APRIL (a
 CC proliferation-inducing ligand) in cells or body fluids using antibodies
 CC and comparing the Neutrokin-alpha and APRIL expression level with a
 CC standard Neutrokin-alpha and APRIL expression level, whereby an increase
 CC or decrease in the assayed Neutrokin-alpha and APRIL expression level
 CC compared to the standard levels is indicative of a disease or disorder.
 CC The present amino acid sequence represents the mouse Neutrokin-alpha-
 CC like protein fragment #1

SQ Sequence 309 AA;

Query Match 100.0%; Score 1624; DB 5; Length 309;
 Best Local Similarity 100.0%; Pred. No. 3.2e-165;
 Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAWFGICRGRLLAATLLALLSS 60
 DB 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAWFGICRGRLLAATLLALLSS 60
 QY 61 SFTAMSLYQLAALQADLMNLMELQSYRGSATPAAGAPBLTAGVKLLTPAAPRHNSR 120
 DB 61 SFTAMSLYQLAALQADLMNLMELQSYRGSATPAAGAPBLTAGVKLLTPAAPRHNSR 120
 QY 121 GHRNRRAFQGPETEEDVDLSAPPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
 DB 121 GHRNRRAFQGPETEEDVDLSAPPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
 QY 181 TIRKGTTFVFWMLISFRGNALBEKENKIYVRQGYFFISQVLYTDPFAMGHVIGRKK 240
 DB 181 TIRKGTTFVFWMLISFRGNALBEKENKIYVRQGYFFISQVLYTDPFAMGHVIGRKK 240
 QY 241 VHVFEDELSTVTLPRCIQNMKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
 DB 241 VHVFEDELSTVTLPRCIQNMKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
 QY 301 TFFGALKL 309
 DB 301 TFFGALKL 309

RESULT 3

AB00717
 ID AB00717 standard; protein, 309 AA.

XX AB00717;

DT 05-SEP-2002 (first entry)

DE Murine B lymphocyte stimulator protein #1.

XX B lymphocyte stimulator protein binding protein; BLyS; immune disease;
 KW allergy; proliferative disease; infectious disease; arteriosclerosis;

inflammatory disorder; hypergammaglobulinaemia; blood clotting;
 ischaemia; graft-versus-host disease; neurodegenerative disease;
 immunosuppressive; nephrotropic; antineumatic; antiarthritic;
 neuroprotective; cytostatic; immunostimulant; antitumor; anti-ITV;
 antilesthetic; antiallergic; thymic; antineumatic; haemostatic;
 dermatological; antineuroinflammatory; cardiac; ophthalmological; uropathic;
 antidiabetic; antithyroid; antidepressant; hepatotropic.
 Mus sp.
 WO200216411-A2.
 28-FEB-2002.
 17-AUG-2001; 2001WO-US025850.
 18-AUG-2000; 2000US-0226700P.
 (HUMA-) HUMAN GENOME SCI INC.
 Belzer JP, Potter DM, Fleming TL, Rosen CA;
 WPI; 2002-499775/53.
 The treatment of various diseases e.g. rheumatoid arthritis, comprises
 administering B lymphocyte stimulator binding polypeptide.
 Disclosure; Page 304-306; 387pp; English.
 The present invention relates to the treatment, prevention or
 amelioration of a disease or disorder associated with: aberrant B
 lymphocyte stimulator (Blys), Blys receptor expression or activity; cells
 of haematopoietic origin; or proliferative disease; and reducing,
 inhibiting or stimulating immunoglobulin production, B cell proliferation
 and graft rejection involving administration of Blys binding polypeptide.
 The Blys binding polypeptides are used in the treatment, prevention or
 amelioration of diseases such as immune system diseases, proliferative
 diseases, diseases of cells of haematopoietic origin, graft rejection,
 allergies, infectious diseases, arteriosclerosis, inflammatory disorders,
 hypergammaglobulinaemia, blood clotting disorders, ischaemia, and
 neurodegenerative diseases. The present sequence is a B lymphocyte
 stimulator protein
 Sequence 309 AA;
 Query Match 100.0%; Score 1624; DB 5; Length 309;
 Best Local Similarity 100.0%; Pred. No. 3,2e-155;
 Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 1 MDSAKTLPPLCPGCEKGEKMGVYDPTPQKEGAMFGICRDRLLAATLLALLSS 60
 1 MBSAKTLPPLCPGCEKGEKMGVYDPTPQKEGAMFGICRDRLLAATLLALLSS 60
 61 SFTANSLYGLALQADLVNMLRMELOS YRGSATPAAAGAPLPAVKLTTPAPRPHNSR 120
 61 SFTANSLYGLALQADLVNMLRMELOS YRGSATPAAAGAPLPAVKLTTPAPRPHNSR 120
 121 GHRNRRAFOGPETEDVDLSAPAPCLPGCRHSHQDNGMRLNIIODCQLIADSDTP 180
 121 GHRNRRAFOGPETEDVDLSAPAPCLPGCRHSHQDNGMRLNIIODCQLIADSDTP 180
 121 GHRNRRAFOGPETEDVDLSAPAPCLPGCRHSHQDNGMRLNIIODCQLIADSDTP 180
 181 TTRKGYTVVPMILSKRGNALKEKENKIIVAQGTGFFYSQVLYTDPFANGHYIQRK 240
 181 TTRKGYTVVPMILSKRGNALKEKENKIIVAQGTGFFYSQVLYTDPFANGHYIQRK 240
 181 TTRKGYTVVPMILSKRGNALKEKENKIIVAQGTGFFYSQVLYTDPFANGHYIQRK 240
 241 VAVFGDELIVTLFRICQMPKTLPPNNSCYSGAGIARLEEGDEIQLAIPRENAQISRNGD 300
 241 VAVFGDELIVTLFRICQMPKTLPPNNSCYSGAGIARLEEGDEIQLAIPRENAQISRNGD 300
 301 TFFGALKL 309
 301 TFFGALKL 309

RESULT 4
 ABG96469
 ID ABG96469 standard; protein, 309 AA.
 AC ABG96469;
 DT 11-DEC-2002 (first entry)
 DE Mouse Neutrokin-alpha-like protein fragment #2.
 XX Neutrokin-alpha: cytokine; autoimmune disease; cancer;
 XX systemic lupus erythematosus; rheumatoid arthritis; Sjogren's syndrome;
 XX B cell cancer; chronic lymphocytic leukaemia; multiple myeloma;
 XX Hodgkin's lymphoma; non-Hodgkin's lymphoma; immunodeficiency;
 XX hypergammaglobulinaemia; hypogammaglobulinaemia; rheumatic heart disease;
 XX diabetes mellitus; autoimmune thyroiditis; Goodpasture's syndrome;
 XX Graves' disease; myasthenia gravis; autoimmune haemolytic anaemia;
 XX infertility; chronic active hepatitis; primary biliary cirrhosis;
 XX inflammatory skin disease; psoriasis; allergy; atherosclerosis;
 XX autoimmune thrombocytopenia; antibody; chromosome 13q34.
 OS Mus musculus.
 XX US200211512-A1.
 XX 22-AUG-2002.
 XX 15-AUG-2001; 2001US-00929493.
 XX 23-FEB-1999; 99US-00255794.
 XX 02-MAR-1999; 99US-0122388P.
 XX 12-MAR-1999; 99US-0124097P.
 XX 26-MAR-1999; 99US-0126589P.
 XX 02-APR-1999; 99US-0127598P.
 XX 16-APR-1999; 99US-0130412P.
 XX 23-APR-1999; 99US-0130696P.
 XX 27-APR-1999; 99US-0131278P.
 XX 29-APR-1999; 99US-0131673P.
 XX 28-MAY-1999; 99US-0136784P.
 XX 06-JUL-1999; 99US-0142659P.
 XX 27-JUL-1999; 99US-0145824P.
 XX 24-NOV-1999; 99US-0167239P.
 XX 03-DEC-1999; 99US-0168624P.
 XX 16-DEC-1999; 99US-0171108P.
 XX 23-DEC-1999; 99US-0171626P.
 XX 14-JAN-2000; 2000US-0176015P.
 XX 22-FEB-2000; 2000US-00507968.
 XX 02-JUN-2000; 2000US-00586288.
 XX 08-JUN-2000; 2000US-00588947.
 XX 08-JUN-2000; 2000US-00589285.
 XX 08-JUN-2000; 2000US-00589286.
 XX 08-JUN-2000; 2000US-00589287.
 XX 15-AUG-2000; 2000US-00589287.
 XX 23-AUG-2000; 2000US-00589287.
 XX 22-SEP-2000; 2000US-0234338P.
 XX 17-OCT-2000; 2000US-0240806P.
 XX 30-NOV-2000; 2000US-0250020P.
 XX 16-MAR-2001; 2001US-0276248P.
 XX 25-MAY-2001; 2001US-0293499P.
 XX 07-JUN-2001; 2001US-0296122P.
 XX 13-JUL-2001; 2001US-0304809P.
 XX (HUMA-) HUMAN GENOME SCI INC.
 XX Yu G, Ebner R, Ni J, Rosen CA, Ullrich S;
 XX WPI; 2002-740098/80.
 XX Novel antibody that binds to neutrokin-alpha protein, useful for
 XX diagnosing and treating diseases or disorders, such as autoimmune
 XX diseases, lupus erythematosus, rheumatoid arthritis, cancer, or an
 XX immunodeficiency.

XX Disclosure, Page 172; 203pg; English.

XX The invention relates to an isolated antibody (1) or its portion that

XX specifically binds to a 285 residue neutrokin- α protein sequence or

XX a 250 residue APRIL (proliferation inducing ligand) polypeptide sequence

XX (82). Also included are: (1) an antibody or its portion that

XX competitively inhibits the specific binding of (1) by at least 50 or 90 %

XX ; (2) a nucleic acid encoding the antibody (1) (or its single chain); (3)

XX a vector comprising the nucleic acid; (4) a host cell comprising the

XX nucleic acid or vector; and (5) a hybridoma producing the antibody. The

XX antibody is useful for treating disease or disorder such as autoimmune

XX diseases, systemic lupus erythematosus, rheumatoid arthritis, Sjogren's

XX syndrome, cancer, preferably B cell cancer, chronic lymphocytic

XX leukemia, multiple myeloma, Hodgkin's lymphoma and non-Hodgkin's

XX lymphoma, an immunodeficiency, hypo or hypergammaglobulinemia, rheumatic

XX heart disease, diabetes mellitus, autoimmune thyroiditis, Goodpasture's

XX syndrome, Graves' disease, myasthenia gravis, autoimmune haemolytic

XX anaemia, infertility, chronic active hepatitis, primary biliary

XX cirrhosis, other disorders such as inflammatory skin diseases including

XX psoriasis, allergic conditions, atherosclerosis, antigen-antibody

XX complex mediated diseases and autoimmune thrombocytopenia. The antibody

XX is also useful for diagnosing the disease or disorder, by assaying

XX expression of Neutrokin- α and APRIL expression level, in cells or

XX body fluid of an individual and comparing the levels with a standard

XX expression level, where an increase or decrease in the assayed Neutrokin

XX level is indicative of a disease or disorder. The antibody is also useful

XX for reducing or stimulating immunoglobulin production and to inhibit or

XX stimulate proliferation of a cell of haematopoietic origin, preferably a

XX B cell. The gene for Neutrokin- α is located on chromosome 13q34. The

XX present sequence is a non-human Neutrokin- α protein

XX

XX Sequence 309 AA:

Query Match 100.0%; Score 1624; DB 5; Length 309;

Best Local Similarity 100.0%; Pred. No. 3.2e-165;

Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60

Db 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60

XX 61 SFTMSLYQLAALQADIMNLMELOSRYGSATPAAGAPELTAGVKLLTPAAPPHNSR 120

Db 61 SFTMSLYQLAALQADIMNLMELOSRYGSATPAAGAPELTAGVKLLTPAAPPHNSR 120

XX 121 GHRNRAPFGPEETEODVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

Db 121 GHRNRAPFGPEETEODVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

XX 121 GHRNRAPFGPEETEODVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

Db 121 GHRNRAPFGPEETEODVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

XX 181 TIRKGYTFVFWMLSPKRGNALEKENKIVRQGYFFIYSQVLYTDPFPMAGHVIQKK 240

Db 181 TIRKGYTFVFWMLSPKRGNALEKENKIVRQGYFFIYSQVLYTDPFPMAGHVIQKK 240

XX 241 VHVGDLSLVTLFRCTQNMKPTLPNNCSAGIARLEDEDLQIAPRNAISNGND 300

Db 241 VHVGDLSLVTLFRCTQNMKPTLPNNCSAGIARLEDEDLQIAPRNAISNGND 300

XX 301 TTFGALKLL 309

Db 301 TTFGALKLL 309

XX 301 TTFGALKLL 309

Db 301 TTFGALKLL 309

RESULT 5

ABP47219 standard; protein; 309 AA.

XX ABP47219;

XX ABP47219;

XX 19-AUG-2002 (first entry)

XX Human Blys binding scfv VH CDR3 SEQ ID 3230.

XX Blys; B lymphocyte stimulator; TNF superfamily; human; cytostatic;

XX tumour necrosis factor; B cell proliferation; B cell differentiation;

XX immunosuppressive; immunostimulant; immunomodulatory; antineumatic;

XX antiAIDS; vaccine; cancer; immune; autoimmune disorder; immunodeficiency;

XX systemic lupus erythematosus; rheumatoid arthritis; CVID; AIDS;

XX common variable immunodeficiency; acquired immunodeficiency syndrome.

XX Homo sapiens.

XX WO200202641-A1.

XX 10-JAN-2002.

XX 15-JUN-2001; 2001WO-US019110.

XX 16-JUN-2000; 2000US-0212210P.

XX 17-OCT-2000; 2000US-0240816P.

XX 16-MAR-2001; 2001US-0276248P.

XX 21-MAR-2001; 2001US-0277379P.

XX 25-MAY-2001; 2001US-0293499P.

XX (HUMA-) HUMAN GENOME SCI INC.

XX (CAME-) CAMERIDGE ANTIBODY TECHNOLOGY.

XX Ruben SM, Barash SC, Choi GH, Vaughan T, Hilbert D;

XX WPI; 2002-114799/15.

XX Antibodies against B lymphocyte stimulating polypeptides, useful for the

XX diagnosis and treatment of cancers and immune disorders.

XX Disclosure; Page 3140-3141; 3148pp; English.

XX

XX This invention describes novel antibodies that immunospecifically bind to

XX B lymphocyte stimulator (Blys) polypeptides. Blys is a member of the

XX tumour necrosis factor (TNF) super family and induces B cell

XX proliferation and differentiation. The antibodies of the invention have

XX cytostatic, immunosuppressive, immunostimulant, immunomodulatory,

XX antirheumatic and antiAIDS activity and can be used in vaccines to

XX inhibit the expression and activity of Blys. The antibodies bind to Blys

XX and so may be used to detect and quantitate the presence of Blys in

XX biological samples and may be used in this way to diagnose disease

XX associated with aberrant expression of Blys. They may also be

XX administered to treat diseases associated with aberrant Blys expression

XX and actively such as cancer, immune, and autoimmune disorders and

XX diseases, e.g. systemic lupus erythematosus, rheumatoid arthritis,

XX immunodeficiency (e.g. common variable immunodeficiency (CVID) and

XX acquired immunodeficiency syndrome (AIDS)). ABP43990-ABP47228 represent

XX the antibodies and fragments of the antibodies described in the method of

XX the invention

XX

XX Sequence 309 AA:

Query Match 100.0%; Score 1624; DB 5; Length 309;

Best Local Similarity 100.0%; Pred. No. 3.2e-165;

Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60

Db 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60

XX 61 SFTMSLYQLAALQADIMNLMELOSRYGSATPAAGAPELTAGVKLLTPAAPPHNSR 120

Db 61 SFTMSLYQLAALQADIMNLMELOSRYGSATPAAGAPELTAGVKLLTPAAPPHNSR 120

XX 121 GHRNRAPFGPEETEODVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

Db 121 GHRNRAPFGPEETEODVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

XX 121 GHRNRAPFGPEETEODVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

Db 121 GHRNRAPFGPEETEODVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

XX 181 TIRKGYTFVFWMLSPKRGNALEKENKIVRQGYFFIYSQVLYTDPFPMAGHVIQKK 240

Db 181 TIRKGYTFVFWMLSPKRGNALEKENKIVRQGYFFIYSQVLYTDPFPMAGHVIQKK 240

OY 241 VHVFGDELSLVTLFRCTQNMFKTLPNNSCYSGAGIARLEBGEDELQALIPRENAQISRNGDD 300
DB 241 VHVFGDELSLVTLFRCTQNMFKTLPNNSCYSGAGIARLEBGEDELQALIPRENAQISRNGDD 300
OY 301 TFFGALKL 309
DB 301 TFFGALKL 309

RESULT 6

ABG33578
ID ABG33578 standard; protein; 309 AA.

XX ABG33578;

DT 15-JUL-2002 (first entry)

DE Murine B Lymphocyte Stimulator (BLys) protein #1.

KW B Lymphocyte Stimulator protein; B Lymphocyte Stimulator binding peptide;
KM BLys; biological fluid; serum; plasma; lymph; blood; urine; spinal fluid;
KW synovial fluid; saliva; mucus; mouse.

OS Mus sp.

PN WO200216412-A2.

PD 28-FEB-2002.

PF 17-AUG-2001; 2001MO-US025891.

PR 18-AUG-2000; 2000US-0226489P.

XX (DYAX-) DYAX CORP.

PI Belzer JP, Potter MD, Fleming TV, Ladner RC;

DR WPI; 2002-351647/38.

PT New B-lymphocyte stimulator binding polypeptide useful in detecting or
PT isolating BLys or BLys-like polypeptide comprises a specified amino acid
PT sequence.

PS Disclosure; Page 186-188; 269pp; English.

XX The invention relates to a B lymphocyte stimulator (BLys) binding
CC polypeptide. BLys binding peptides bind BLys or BLys-like proteins
CC reversibly or irreversibly. The binding peptides are used in detection,
CC isolation and/or purification of BLys in a solution such as water or a
CC buffer solution, as well as any fluid and/or cell obtained from an
CC individual biological fluid, body tissue, body cell, cell line, tissue
CC culture or other source containing BLys or BLys-like polypeptides. The
CC biological fluids include sera, plasma, lymph, blood, blood fraction,
CC urine, synovial fluid, spinal fluid, saliva and mucous. Sequences
CC ABG33578 and ABG33579 represent murine B lymphocyte stimulator proteins

XX Sequence 309 AA;

Query Match 100.0%; Score 1624; DB 5; Length 309;

Best Local Similarity 100.0%; Pred. No. 3.2e-165; Mismatches 0; Indels 0; Gaps 0;

Matches 309; Conservative 100.0%; Mismatches 0; Indels 0; Gaps 0;

OY 1 MDESAKTLPPCLCFSEKGEKMGVYDPTTPKKEGAFGICRDRLLAATLLALSS 60

DB 1 MDESAKTLPPCLCFSEKGEKMGVYDPTTPKKEGAFGICRDRLLAATLLALSS 60

OY 61 SFTAMSLYQALALQADLNLRLMELOSYSRGSATPAAAGAPBELTAGVKLTTPAAPPHNSR 120

DB 61 SFTAMSLYQALALQADLNLRLMELOSYSRGSATPAAAGAPBELTAGVKLTTPAAPPHNSR 120

OY 121 GHRNRRAFGQPEETEDVDLSAPPAPCLPGCRHSGQHDNGNMLNNTIQQCLQIADSDTP 180

DB 121 GHRNRRAFGQPEETEDVDLSAPPAPCLPGCRHSGQHDNGNMLNNTIQQCLQIADSDTP 180
OY 181 TIRKGTTFVPMILSFRRGNALSEKENKIYVRQTGYFFISQVLYTDPPIFAMGHVQRK 240
DB 181 TIRKGTTFVPMILSFRRGNALSEKENKIYVRQTGYFFISQVLYTDPPIFAMGHVQRK 240
OY 241 VHVFGDELSLVTLFRCTQNMFKTLPNNSCYSGAGIARLEBGEDELQALIPRENAQISRNGDD 300
DB 241 VHVFGDELSLVTLFRCTQNMFKTLPNNSCYSGAGIARLEBGEDELQALIPRENAQISRNGDD 300
OY 301 TFFGALKL 309
DB 301 TFFGALKL 309

RESULT 7

AAE37308

ID AAE37308 standard; protein; 309 AA.

XX AAE37308;

DT 07-AUG-2003 (first entry)

DE Mouse neutrokin-alpha related protein #1.

KW Neutrokin-alpha; splice variant; SV; therapy; immune system; cancer;
KM leukaemia; metastatic tumour; cytostatic; mouse.

OS Mus musculus.

PN WO2003033658-A2.

PD 24-APR-2003.

PF 16-OCT-2002; 2002MO-US032910.

PR 17-OCT-2001; 2001US-0329508P.

PR 18-OCT-2001; 2001US-0329747P.

PR 31-OCT-2001; 2001US-0330835P.

PR 16-NOV-2001; 2001US-0331478P.

PR 07-DEC-2001; 2001US-0336726P.

PR 01-APR-2002; 2002US-0368548P.

XX (HUMA-) HUMAN GEMOME SCI INC.

PI Yu G, Ebner R, Ni J, Rosen CA, Laird MW, Ullrich S;

DR WPI; 2003-421321/39.

PT Treating immune system cancer or leukemia involves administering to
PT individual Neutrokin-alpha polypeptide.

PS Disclosure; Page 506-507; 520pp; English.

XX The invention relates to a method for treating immune system cancer or
CC leukemia by administering to an individual, a neutrokin-alpha or
CC neutrokin-alpha splice variant (SV) protein. The method is useful for
CC treating cancer of immune system, such as metastatic tumour, or
CC leukaemia. The present sequence is mouse neutrokin-alpha related
CC protein. This sequence is used to illustrate the method of the invention

XX Sequence 309 AA;

Query Match 100.0%; Score 1624; DB 6; Length 309;

Best Local Similarity 100.0%; Pred. No. 3.2e-165; Mismatches 0; Indels 0; Gaps 0;

Matches 309; Conservative 100.0%; Mismatches 0; Indels 0; Gaps 0;

OY 1 MDESAKTLPPCLCFSEKGEKMGVYDPTTPKKEGAFGICRDRLLAATLLALSS 60

DB 1 MDESAKTLPPCLCFSEKGEKMGVYDPTTPKKEGAFGICRDRLLAATLLALSS 60

OY 61 SFTAMSLYQALALQADLNLRLMELOSYSRGSATPAAAGAPBELTAGVKLTTPAAPPHNSR 120

```

Db      61 SFTAMSLYQALALQADLMNLRMELOSRYGSATPAAGAPBLTAGVKLTTPAARPHNSSR 120
QY      121 GHRNRRAPFGPEETEDVDLSAPPAPCLPGCRHSQHDNGMNRNIIDCLQILADSDTP 180
        121 GHRNRRAPFGPEETEDVDLSAPPAPCLPGCRHSQHDNGMNRNIIDCLQILADSDTP 180
Db      181 TIRKGTTFVFWPMLISFRGNALKEKENKIVARQGTFFIYSQVLYTDP1FAMGHV1QRKK 240
        181 TIRKGTTFVFWPMLISFRGNALKEKENKIVARQGTFFIYSQVLYTDP1FAMGHV1QRKK 240
QY      241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
        241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
Db      301 TFFGALKL 309
        301 TFFGALKL 309

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RESULT 8
AAB08262
ID      AAB08262 standard; protein; 309 AA.

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XX      AAB08262;

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DT      04-DEC-2000 (first entry)

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XX      Amino acid sequence of a murine AGP-3 polypeptide.

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XX      AGP-3; tumour necrosis factor ligand; TNF ligand; Crohn's disease;

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KM      type II transmembrane protein; B cell stimulatory factor;

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KM      inflammatory disorder; immune disorder; rheumatoid arthritis;

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XX      lupus and graft versus host disease.

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XX      Mus sp.

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XX      Location/Qualifiers

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FT      Key 1..47

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FT      Domain /note= "intracellular domain"

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FT      Region 48..73 /note= "transmembrane region"

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FT      Domain 74..309

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```

FT      Misc-difference 106 /note= "extracellular domain"

```

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FT      Misc-difference 271 /note= "unspecified amino acid encoded by AAA"

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```

FT      Misc-difference 282 /note= "Ser encoded by TTG"

```

```

FT      Misc-difference 295 /note= "Glu encoded by GG"

```

```

FT      Misc-difference 296 /note= "Ser encoded by CAC"

```

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FT      Misc-difference 296 /note= "Arg encoded by GC"

```

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XX      WO200047740-A2.

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XX      17-AUG-2000.

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XX      11-FEB-2000; 2000WO-US003653.

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XX      12-FEB-1999; 99US-0119996P.

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XX      18-NOV-1999; 99US-0166271P.

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XX      (AMGE-) AMGEN INC.

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XX      Boyle WJ, Heu H;

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XX      WPI; 2000-558217/51.

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XX      N-PSDB; AAA63942.

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XX      Novel polypeptides comprising tumor necrosis factor ligand family

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XX      proteins useful for treating inflammatory and immune disorders, e.g.

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XX      Claim 4; Fig 2; 71pp; English.

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XX      The present sequence encodes a murine Agp-3 polypeptide. Agp-3 is a
XX      tumour necrosis factor (TNF) ligand family member. Agp-3 is a type II
XX      transmembrane protein, and is a potent B cell stimulatory factor.
XX      Expression of Agp-3 correlates to increases in the number of B cells and
XX      immunoglobulins produced. Agp-3 proteins, antibodies, and nucleic acids
XX      may be used to treat inflammatory and immune disorders, e.g. rheumatoid
XX      arthritis, Crohn's disease, lupus and graft versus host disease. The
XX      nucleic acids may be used to regulate the expression of an Agp-3 related
XX      protein. The Agp-3 proteins, antibodies and nucleic acids are also useful
XX      for the detection of Agp-3 agonists, antagonists and characterizing
XX      interactions with Agp-3 related proteins. note: this sequence is not
XX      specifically claimed. It is only mentioned in the claims, in that a
XX      polypeptide that does not comprise the present sequence is claimed

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XX      Sequence 309 AA:

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```

Query Match 99.6%; Score 1618; DB 3; Length 309;
Best Local Similarity 99.7%; Pred. No. 1,4e-164;
Matches 308; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      1 MDESAKTLPPPCLCFCEKEDMKVGYDPTTPOKEGAMFGICRDRLLAATLLALLSS 60
        1 MDESAKTLPPPCLCFCEKEDMKVGYDPTTPOKEGAMFGICRDRLLAATLLALLSS 60
Db      61 SFTAMSLYQALALQADLMNLRMELOSRYGSATPAAGAPBLTAGVKLTTPAARPHNSSR 120
        61 SFTAMSLYQALALQADLMNLRMELOSRYGSATPAAGAPBLTAGVKLTTPAARPHNSSR 120
QY      121 GHRNRRAPFGPEETEDVDLSAPPAPCLPGCRHSQHDNGMNRNIIDCLQILADSDTP 180
        121 GHRNRRAPFGPEETEDVDLSAPPAPCLPGCRHSQHDNGMNRNIIDCLQILADSDTP 180
Db      121 GHRNRRAPFGPEETEDVDLSAPPAPCLPGCRHSQHDNGMNRNIIDCLQILADSDTP 180
        121 GHRNRRAPFGPEETEDVDLSAPPAPCLPGCRHSQHDNGMNRNIIDCLQILADSDTP 180
QY      181 TIRKGTTFVFWPMLISFRGNALKEKENKIVARQGTFFIYSQVLYTDP1FAMGHV1QRKK 240
        181 TIRKGTTFVFWPMLISFRGNALKEKENKIVARQGTFFIYSQVLYTDP1FAMGHV1QRKK 240
Db      181 TIRKGTTFVFWPMLISFRGNALKEKENKIVARQGTFFIYSQVLYTDP1FAMGHV1QRKK 240
        181 TIRKGTTFVFWPMLISFRGNALKEKENKIVARQGTFFIYSQVLYTDP1FAMGHV1QRKK 240
QY      241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
        241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
Db      241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
        241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
QY      301 TFFGALKL 309
        301 TFFGALKL 309
Db      301 TFFGALKL 309

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RESULT 9
AAU10943
ID      AAU10943 standard; protein; 309 AA.

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XX      AAU10943;

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XX      12-MAR-2002 (first entry)

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XX      Mouse Agp-3.

```

```

XX      Mouse;

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XX      Mouse; Agp-3; anti-inflammatory; antiarthritic; immunosuppressive;

```

```

XX      dermatological; neuroprotective; nootropic; immunomodulator; metabolic;

```

```

XX      antidiabetic; analgesic; nephroprotective; osteopathic; cytostatic; fever;

```

```

XX      antiparkinsonian; antipsoriatic; vasotropic; antibacterial; asthma;

```

```

XX      AGP-3 receptor; tumour necrosis factor ligand family; immune disorder;

```

```

XX      mesenteric lymph node; Agp-3R; inflammatory disease; immune disorder;

```

```

XX      rheumatoid arthritis; graft-versus-host disease; Crohn's disease;

```

```

XX      pancreatitis; amyotrophic lateral sclerosis; ALS; Alzheimer's disease;

```

```

XX      diabetes; glomerulonephritis; inflammatory bowel disease; ischemia;

```

```

XX      multiple sclerosis; Parkinson's disease; transgenic animal.

```

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XX      Mus musculus.

```

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XX      WO200185782-A2.

```

PD 15-NOV-2001.
 XX 12-FEB-2001; 2001WO-US004568.
 PF 11-FEB-2000; 2000US-0181800P.
 XX (AMGE-) AMGEN INC.
 PA Boyle WJ, Hsu H;
 PI WPI; 2002-049441/06.
 DR N-PSDB; AAS18545.
 XX
 PT Composition, useful for identifying modulator of receptor for treating
 PT asthma and glomerulonephritis, comprises AGP-3 (tumor necrosis factor
 PT ligand family member) receptor and encoding nucleic acids.
 XX
 PS Disclosure; Fig 2; 124pp; English..
 XX
 CC The invention relates to a composition (I) comprising AGP-3 receptor
 CC (tumor necrosis factor ligand family member) related protein (II)
 CC attached to a vehicle protein. (I) is useful for modulating AGP-3-related
 CC activity in mesenteric lymph nodes (MLN) of a mammal. (II) is useful in
 CC assays to identify cells and tissues that express AGP-3R or protein
 CC related to AGP-3R-related protein and for identifying compounds (agonists
 CC or antagonists) that interact with AGP-3R proteins. (II) is also useful
 CC for identifying intracellular proteins that interact with the respective
 CC cytoplasmic domains by yeast two-hybrid screening process. (II) is
 CC involved in B cell growth, survival and activation particularly in lymph
 CC node, spleen, and Peyer's patches. AGP-3R agonists and antagonists
 CC identified using (II) are used for modulating B cell response and are
 CC used to treat diseases characterised by inflammatory processes or
 CC deregulated immune response such as rheumatoid arthritis, graft-versus-
 CC host disease, Crohn's disease, lupus, etc. (II) is also useful in the
 CC production of hybridoma cells which are derived from B cells, which
 CC involves treating the hybridoma cells with (II). (II) is useful in the
 CC treatment of inflammatory conditions of joints, e.g., rheumatoid
 CC arthritis, osteoarthritis, etc. (II), its agonists or antagonists are
 CC useful for treating acute pancreatitis, amyotrophic lateral sclerosis
 CC (ALS), Alzheimer's disease, asthma, atherosclerosis, cachexia/anorexia,
 CC diabetes, fever, glomerulonephritis, inflammatory bowel disease,
 CC ischaemic injury including cerebral ischaemia, multiple myeloma, multiple
 CC sclerosis, osteoporosis, Parkinson's disease, pain, reperfusion injury,
 CC septic shock, etc. The nucleic acids are also useful for developing the
 CC transgenic animals expressing (II), which are useful for producing the
 CC polypeptides and for the study of in vivo biological activity. The
 CC present sequence represents the amino acid sequence of mouse AGP-3
 CC
 XX
 SQ Sequence 309 AA;
 Query Match 99.6%; Score 1618; DB 5; Length 309;
 Best Local Similarity 99.7%; Pred. No. 1.4e-164;
 Matches 308; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 301 TFGALKTL 309
 DB 301 TFGALKTL 309
 RESULT 10
 AAM93587
 ID AAM93587 standard; protein, 290 AA.
 XX
 AC AAM93587;
 XX 18-JUN-1999 (first entry)
 DT Mouse TNRL1-alpha protein.
 DE
 XX
 KM Tumour necrosis factor receptor; signal transducer molecule; TNF; APO4;
 KM developmental abnormality; gestational abnormality; prostate cancer;
 KM APO6; APO8; APO9; TNRL-1; TNRL-3; diagnosis; treatment; therapy; disease;
 KM cytoplasmic domain; immunogen; antibody preparation; breast carcinoma;
 KM apoptosis; mouse; TNRL1-alpha.
 XX
 OS Mus sp.
 XX
 PN WO9911791-A2.
 PD 11-MAR-1999.
 XX
 PF 04-SEP-1998; 98WO-US018393.
 XX
 PR 05-SEP-1997; 97US-00924634.
 XX
 PA (UNIV) UNIV WASHINGTON.
 XX
 DR Chaudhary PM;
 DR WPI; 1999-205191/17.
 DR N-PSDB; AMX23421.
 XX
 PT New Tumor Necrosis Factor family receptor polypeptides and ligands -
 PT useful for diagnosis and treatment of prostate cancer and developmental
 PT or gestational abnormalities.
 XX
 PS Claim 34; Fig 11B; 156pp; English.
 XX
 CC This invention describes isolated Tumor Necrosis Factor (TNF) family
 CC receptor polypeptides: APO4, APO6, APO8 and APO9 or their active
 CC fragments, and isolated TNF related ligands 1 and 3 (TNRL1 and TNRL3) or
 CC their active fragments. APO4 is useful for diagnosing prostate cancer by
 CC determining levels of APO4 in an individual. Prostate cancer can also be
 CC treated using APO4 selective binding agents linked to a therapeutic
 CC moiety. APO4 polypeptides are also useful for identifying selective
 CC binding agents, useful in diagnosis/treatment of disease by binding of
 CC agents to the polypeptide/active fragment which is extracellular, or
 CC expressed on the cell surface. The binding is preferably performed in
 CC vivo. APO4 polypeptides/active fragments are also useful for screening
 CC for agonists and antagonists by binding and observing the change in APO4
 CC activity. Effective pharmacological agents useful in diagnosis or
 CC treatment of disease are also identified using APO4 polypeptides/active
 CC fragments and APO4 signal transducer molecules that specifically interact
 CC with a cytoplasmic domain of APO4 and detecting a change in level of APO4
 CC activity. The method is performed in vivo or in vitro. APO polypeptides
 CC are all useful as immunogens for preparing antibodies. APO4 is also
 CC useful for diagnosis/treatment of developmental or gestational
 CC abnormalities. APO8 was transfected to human breast carcinoma cell line
 CC MCF-7, and induced apoptosis
 CC
 XX
 SQ Sequence 290 AA;
 Query Match 92.4%; Score 1500.5; DB 2; Length 290;
 Best Local Similarity 93.5%; Pred. No. 5.3e-152;
 Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLLALLSS 60
 DB 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLLALLSS 60
 QY 61 SFTAMSLYQLAALQADLMNLMELQSYRGSAATPAAGAPBLTAGVKLLTPAAPRPHNSR 120
 DB 61 SFTAMSLYQLAALQADLMNLMELQSYRGSAATPAAGAPBLTAGVKLLTPAAPRPHNSR 120
 QY 121 GHRNRRAPQGEPEETEDVDLSAPAPCLPGCRHSQHDNGMNLNRIIQDCLQIADSDTP 180
 DB 121 GHRNRRAPQGEPEETEDVDLSAPAPCLPGCRHSQHDNGMNLNRIIQDCLQIADSDTP 180
 QY 181 TIRKGYTFVPMILSFRGNALBEKENKIYVRQGYFFIYSQVLYTDPPIFAMGHVIOQRK 240
 DB 166 ----RTYTFVPMILSFRGNALBEKENKIYVRQGYFFIYSQVLYTDPPIFAMGHVIOQRK 221
 QY 241 VHVFGDELSTLVTLPFCIONMPKTLPNNSCYSAGIARLEEGDELOLAIPRENAQISRGDD 300
 DB 222 VHVFGDELSTLVTLPFCIONMPKTLPNNSCYSAGIARLEEGDELOLAIPRENAQISRGDD 281
 QY 301 TFFGALKL 309
 DB 282 TFFGALKL 290

RESULT 11
 ID AAY04393 standard; protein; 290 AA.
 AC AAY04393;

DT 24-JUN-1999 (first entry)
 XX Murine Kay-1 ligand.
 DE
 XX Murine Kay-1 ligand.
 KW Kay-1 ligand; tumour necrosis factor family; TNF; immune system; cytokine;
 KM autoimmune disease; tissue graft; cancer; cell death.
 XX Mus sp.
 OS WO9912964-A2.
 PN 18-MAR-1999.
 PD
 XX 11-SEP-1998; 98MO-US019037.
 PF
 XX 12-SEP-1997; 97US-0058786P.
 PR
 XX (BIOJ) BIOGEN INC.
 PA
 XX Tschopp J;
 PI
 XX WPI: 1999-243715/20.
 DR N-PSDB; AAX33331.
 DR
 PT New human or murine Kay-1 ligands, members of the tumour necrosis factor family.
 PT
 XX Claim 12; Page 33; 41pp; English.
 PS
 XX The present sequence represents murine Kay-1 ligand, which is a member of the tumour necrosis factor (TNF) family of cytokines. Pharmaceutical compositions containing the Kay-1 ligand can be used to prevent or stimulate the immune system, especially to prevent or reduce the severity of autoimmune diseases or response to a tissue graft or to treat cancer. CC An agent capable of interfering with the Kay-1 ligand can be used to induce cell death. The Kay-1 ligand can also be used to identify its receptors
 CC
 XX Sequence 290 AA;

Query Match 92.4%; Score 1500.5; DB 2; Length 290;
 Best Local Similarity 93.5%; Pred. No. 5.3e-152;
 Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLLALLSS 60
 DB 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLLALLSS 60
 QY 61 SFTAMSLYQLAALQADLMNLMELQSYRGSAATPAAGAPBLTAGVKLLTPAAPRPHNSR 120
 DB 61 SFTAMSLYQLAALQADLMNLMELQSYRGSAATPAAGAPBLTAGVKLLTPAAPRPHNSR 120
 QY 121 GHRNRRAPQGEPEETEDVDLSAPAPCLPGCRHSQHDNGMNLNRIIQDCLQIADSDTP 180
 DB 121 GHRNRRAPQGEPEETEDVDLSAPAPCLPGCRHSQHDNGMNLNRIIQDCLQIADSDTP 180
 QY 181 TIRKGYTFVPMILSFRGNALBEKENKIYVRQGYFFIYSQVLYTDPPIFAMGHVIOQRK 240
 DB 166 ----RTYTFVPMILSFRGNALBEKENKIYVRQGYFFIYSQVLYTDPPIFAMGHVIOQRK 221
 QY 241 VHVFGDELSTLVTLPFCIONMPKTLPNNSCYSAGIARLEEGDELOLAIPRENAQISRGDD 300
 DB 222 VHVFGDELSTLVTLPFCIONMPKTLPNNSCYSAGIARLEEGDELOLAIPRENAQISRGDD 281
 QY 301 TFFGALKL 309
 DB 282 TFFGALKL 290

RESULT 12
 ID AAE07880 standard; protein; 290 AA.
 AC AAE07880;

DT 01-NOV-2001 (first entry)
 XX Mouse BAFF protein.
 DE
 XX Mouse BAFF protein.
 KW Mouse; tumour necrosis factor; TNF; APRIL; BAFF; therapy; melanoma;
 KM immune system-related disorder; cancer; renal cell; breast; stomach;
 KM rectal; colon; throat; bladder; ovarian carcinoma; cellular disorder;
 KM gastrointestinal; scleroderma; Kaposi's sarcoma; chronic leukaemia;
 KM squamous cell carcinoma; hyperproliferative condition; pannus formation;
 KM rheumatoid arthritis; postsurgical scarring; fibrosis; liver; uterine;
 KM lung; immunodeficiency; inflammatory disease; lymphadenopathy; vulvovaginal;
 KM autoimmune disease; graft versus host disease; dermatological;
 KM antiinflammatory; immunosuppressive; cytostatic.
 XX Mus sp.
 OS WO200158949-A2.
 PN
 XX 16-AUG-2001.
 PD
 XX 08-FEB-2001; 2001WO-US004121.
 PF
 XX 11-FEB-2000; 2000US-0181670P.
 PR
 XX (BIOJ) BIOGEN INC.
 PA
 XX Rennett PD, Thompson JS, Ambrose C, Cachero TG;
 PI
 XX WPI: 2001-514644/56.
 DR N-PSDB; AAD14418.
 DR
 PT New heteromeric ligand of tumor necrosis factor (TNF) family, useful for diagnosis, treatment of immune system-related disorders in humans, PT comprises TNF-family member APRIL subunit linked non-covalently to TNF-family member BAFF subunit.
 PT
 XX Claim 2; Fig 2d; 42pp; English.
 PS
 XX The present invention relates to an isolated heteromeric ligand of tumour necrosis factor (TNF)-family, referred to as APBF comprising a TNF-family member APRIL subunit linked non-covalently to TNF-family member BAFF

CC subunit. ABPF is useful for diagnosis or treatment of various immune
CC system-related disorders in mammals, preferably humans. Such disorders
CC include cancer, including cellular disorders, for e.g. renal cell cancer,
CC Kaposi's sarcoma, chronic leukaemia, breast cancer, sarcoma, ovarian
CC carcinoma, rectal cancer, throat cancer, melanoma, colon cancer, bladder
CC cancer, squamous cell carcinoma and gastrointestinal or stomach cancer,
CC cellular hyperproliferative conditions, such as scleroderma, pannus
CC formation in rheumatoid arthritis, postsurgical scarring and lung, liver
CC and uterine fibrosis and immunodeficiencies, inflammatory diseases, A
CC lymphadenopathy, autoimmune diseases and graft versus host disease. ABPF
CC is also useful for producing monoclonal or polyclonal antibodies and for
CC identifying novel modulators affecting biological function and receptors
CC interacting with ABPF. The present sequence is mouse BAF protein

XX Sequence 290 AA;

Query Match 92.4%; Score 1500.5; DB 4; Length 290;
Best Local Similarity 93.5%; Pred. No. 5,3e-152;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESATLPPPLCFGSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALSS 60
Db 1 MDESATLPPPLCFGSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALSS 60
QY 61 SFTAMSLVQLAALQADIMNLRMELQSYRGSATPAAGAPELLTAGVKLLTPAAPRHNSR 120
Db 61 SFTAMSLVQLAALQADIMNLRMELQSYRGSATPAAGAPELLTAGVKLLTPAAPRHNSR 120
QY 121 GHRNRRAFOGPEETEDVDLSAPPAPCLPGCRHSQHDNGMRLNIIQDCLQIADSDTP 180
Db 121 GHRNRRAFOGPEETEDVDLSAPPAPCLPGCRHSQHDNGMRLNIIQDCLQIADSDTP 180
QY 121 GHRNRRAFOGPEETEDVDLSAPPAPCLPGCRHSQHDNGMRLNIIQDCLQIADSDTP 180
Db 121 GHRNRRAFOGPEETEDVDLSAPPAPCLPGCRHSQHDNGMRLNIIQDCLQIADSDTP 180
QY 161 TIRKGTTPVPMILSPKGNALPEKENKIVRQTGYFFISQVLYTDPFAMGHVIOQRK 240
Db 161 TIRKGTTPVPMILSPKGNALPEKENKIVRQTGYFFISQVLYTDPFAMGHVIOQRK 240
QY 166 ---RTYTFVPMILSPKGNALPEKENKIVRQTGYFFISQVLYTDPFAMGHVIOQRK 221
Db 166 ---RTYTFVPMILSPKGNALPEKENKIVRQTGYFFISQVLYTDPFAMGHVIOQRK 221
QY 241 VHVFGDELAVTLFRCIQNPMTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 300
Db 241 VHVFGDELAVTLFRCIQNPMTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 300
QY 222 VHVFGDELAVTLFRCIQNPMTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 281
Db 222 VHVFGDELAVTLFRCIQNPMTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 281
QY 301 TFFGALKL 309
Db 282 TFFGALKL 290

RESULT 13
ID AAU79148 standard; protein; 290 AA.

XX AAU79148;

XX 02-JUL-2002 (first entry)

DE Mouse Neutrokin-alpha-like protein fragment #2.
XX
XX Mouse; Neutrokin-alpha-like; antibody; immunogen; B-cell cancer;
XX autoimmune disease; Sjogren's syndrome; systemic lupus erythematosus;
XX rheumatoid arthritis; chronic lymphocytic leukaemia; multiple myeloma;
XX Hodgkin's lymphoma; non-Hodgkin's lymphoma; hypergammaglobulinemia;
XX APRIL; a proliferation-inducing ligand.

XX Mus musculus.

XX WO200218620-A2.

XX 07-MAR-2002.

XX 15-AUG-2001; 2001WO-US025549.

XX 15-AUG-2000; 2000US-0225628P.

XX 23-AUG-2000; 2000US-0227008P.

XX 22-SEP-2000; 2000US-0234338P.

XX 17-OCT-2000; 2000US-0240806P.

PR 30-NOV-2000; 2000US-0250020P.
PR 16-MAR-2001; 2001US-0276288P.
PR 25-MAY-2001; 2001US-0293499P.
PR 07-JUN-2001; 2001US-0296122P.
PR 13-JUL-2001; 2001US-0304809P.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
XX
XX Yu G, Ebner R, Ni J, Rosen CA, Ullrich S;
XX WPI; 2002-304259/34.
XX
XX An isolated antibody or portion that specifically binds to a protein
XX useful in the treatment of diseases such as hypergammaglobulinemia and
XX cancer.

XX Disclosure; Page 477-478; 482pp; English.

XX The present invention relates to a new antibody, or portion, that
XX specifically binds to a protein which has a 285 or 250 amino acid
XX sequence as fully defined in the specification. The antibody of the
XX invention is useful in treating a disease or disorder such as cancer,
XX especially B-cell cancer, autoimmune diseases such as Sjogren's syndrome,
XX systemic lupus erythematosus, rheumatoid arthritis, chronic lymphocytic
XX leukaemia, multiple myeloma, Hodgkin's lymphoma, non-Hodgkin's lymphoma
XX or hypergammaglobulinemia, or in diagnosing a disease or disorder
XX comprising assaying expression of Neutrokin-alpha and APRIL (a
XX proliferation-inducing ligand) in cells or body fluids using antibodies
XX and comparing the Neutrokin-alpha and APRIL expression level with a
XX standard Neutrokin-alpha and APRIL expression level, whereby an increase
XX or decrease in the assayed Neutrokin-alpha and APRIL expression level
XX compared to the standard levels is indicative of a disease or disorder.
XX The present amino acid sequence represents the mouse Neutrokin-alpha-
XX like protein fragment #2

XX Sequence 290 AA;

Query Match 92.4%; Score 1500.5; DB 5; Length 290;
Best Local Similarity 93.5%; Pred. No. 5,3e-152;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESATLPPPLCFGSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALSS 60
Db 1 MDESATLPPPLCFGSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALSS 60
QY 61 SFTAMSLVQLAALQADIMNLRMELQSYRGSATPAAGAPELLTAGVKLLTPAAPRHNSR 120
Db 61 SFTAMSLVQLAALQADIMNLRMELQSYRGSATPAAGAPELLTAGVKLLTPAAPRHNSR 120
QY 121 GHRNRRAFOGPEETEDVDLSAPPAPCLPGCRHSQHDNGMRLNIIQDCLQIADSDTP 180
Db 121 GHRNRRAFOGPEETEDVDLSAPPAPCLPGCRHSQHDNGMRLNIIQDCLQIADSDTP 180
QY 121 GHRNRRAFOGPEETEDVDLSAPPAPCLPGCRHSQHDNGMRLNIIQDCLQIADSDTP 180
Db 121 GHRNRRAFOGPEETEDVDLSAPPAPCLPGCRHSQHDNGMRLNIIQDCLQIADSDTP 180
QY 161 TIRKGTTPVPMILSPKGNALPEKENKIVRQTGYFFISQVLYTDPFAMGHVIOQRK 240
Db 161 TIRKGTTPVPMILSPKGNALPEKENKIVRQTGYFFISQVLYTDPFAMGHVIOQRK 240
QY 166 ---RTYTFVPMILSPKGNALPEKENKIVRQTGYFFISQVLYTDPFAMGHVIOQRK 221
Db 166 ---RTYTFVPMILSPKGNALPEKENKIVRQTGYFFISQVLYTDPFAMGHVIOQRK 221
QY 241 VHVFGDELAVTLFRCIQNPMTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 300
Db 241 VHVFGDELAVTLFRCIQNPMTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 300
QY 222 VHVFGDELAVTLFRCIQNPMTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 281
Db 222 VHVFGDELAVTLFRCIQNPMTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 281
QY 301 TFFGALKL 309
Db 282 TFFGALKL 290

RESULT 14
ID ABU00718 standard; protein; 290 AA.

XX ABU00718;

XX 05-SEP-2002 (first entry)

XX Novel antibody that binds to neutrokin-alpha protein, useful for
PT diagnosing and treating diseases or disorders, such as autoimmune
PT diseases, lupus erythematosus, rheumatoid arthritis, cancer, or an
PT immunodeficiency.

XX Disclosure: Page 173; 203pp; English.

XX The invention relates to an isolated antibody (1) or its portion that
CC specifically binds to a 285 residue neutrokin-alpha protein sequence or
CC a 250 residue APRIL (proliferation inducing ligand) polypeptide sequence
CC (S2). Also included are: (1) an antibody or its portion that
CC competitively inhibits the specific binding of (1) by at least 50 or 90 %
CC ; (2) a nucleic acid encoding the antibody (1) (or its single chain); (3)
CC a vector comprising the nucleic acid; (4) a host cell comprising the
CC nucleic acid or vector; and (5) a hybridoma producing the antibody. The
CC antibody is useful for treating disease or disorder such as autoimmune
CC diseases, systemic lupus erythematosus, rheumatoid arthritis, Sjogren's
CC syndrome, cancer, preferably B cell cancer, chronic lymphocytic
CC leukaemia, multiple myeloma, Hodgkin's lymphoma and non-Hodgkin's
CC lymphoma, an immunodeficiency, hypo or hypergammaglobulinaemia, rheumatic
CC heart disease, diabetes mellitus, autoimmune thyroiditis, Goodpasture's
CC syndrome, Graves' disease, myasthenia gravis, autoimmune haemolytic
CC anaemia, infertility, chronic active hepatitis, primary biliary
CC cirrhosis, other disorders such as inflammatory skin diseases including
CC psoriasis, allergic conditions, atherosclerosis, antigen-antibody
CC complex mediated diseases and autoimmune thrombocytopenia. The antibody
CC is also useful for diagnosing the disease or disorder, by assaying
CC expression of Neutrokin-alpha and APRIL expression level, in cells or
CC body fluid of an individual and comparing the levels with a standard
CC expression level, where an increase or decrease in the assayed Neutrokin
CC -alpha and APRIL expression level compared to the standard expression
CC level is indicative of a disease or disorder. The antibody is also useful
CC for reducing or stimulating immunoglobulin production and to inhibit or
CC stimulate proliferation of a cell of haematopoietic origin, preferably a
CC B cell. The gene for Neutrokin-alpha is located on chromosome 19q34. The
CC present sequence is a non-human Neutrokin-alpha protein
XX

XX Sequence 290 AA:

Query Match 92.4%; Score 1500.5; DB 5; Length 290;

Best Local Similarity 93.5%; Pred. No. 5.3e-152; Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY	1	MDSAKTLPPPCLCFCEKGEKDMKVGYPITPQKEZGAMFGICRDRLLAATLLALLSS	60
DB	1	MDSAKTLPPPCLCFCEKGEKDMKVGYPITPQKEZGAMFGICRDRLLAATLLALLSS	60
QY	61	SFTAMSLYQALQADIMNLRMELQSYRGSATPAAGAPELTAGVKILTPAAPPHNSR	120
DB	61	SFTAMSLYQALQADIMNLRMELQSYRGSATPAAGAPELTAGVKILTPAAPPHNSR	120
QY	121	GHRRRRAFGGPEETEQVDLSAPAPCLPGCRSHQHDNGMNLNIIQDCLQIADSDTP	180
DB	121	GHRRRRAFGGPEETEQVDLSAPAPCLPGCRSHQHDNGMNLN-----	165
QY	181	TIRKGTTFVFWMLSPFRGNALKEKENKIVRQTGYFFIYSQVLYTDPPIFAMGHVIQRKX	240
DB	166	---RTTFVFWMLSPFRGNALKEKENKIVRQTGYFFIYSQVLYTDPPIFAMGHVIQRKX	221
QY	241	VHVFGDELSVTLTRCQONPKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD	300
DB	222	VHVFGDELSVTLTRCQONPKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD	281
QY	301	TFPGALKLL 309	
DB	282	TFPGALKLL 290	

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Job time : 93.0758 secs

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Wed Aug 25 15:00:39 2004

us-09-911-777b-2.rapb

Page 1

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CM protein - protein search, using sw model

Run on: August 25, 2004, 14:42:29 ; Search time 85.8333 Seconds
(without alignments)
1132.606 Million cell updates/sec

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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1297172 segs, 314612898 residues

Total number of hits satisfying chosen parameters: 1297172

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications AA.*

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18: /cgn2_6/prodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1624	100.0	309	US-09-929-493-39	Sequence 39, Appl
2	1624	100.0	309	US-09-880-748-3220	Sequence 3230, Ap
3	1624	100.0	309	US-09-932-613-176	Sequence 176, App
4	1624	100.0	309	US-09-932-322-175	Sequence 175, App
5	1624	100.0	309	US-10-293-418-3230	Sequence 3230, Ap
6	1624	100.0	309	US-10-270-487-39	Sequence 39, Appl
7	1618	99.6	309	US-09-779-050A-4	Sequence 39, Appl
8	1500.5	92.4	290	US-09-929-493-40	Sequence 40, Appl
9	1500.5	92.4	290	US-09-880-748-3221	Sequence 3221, Ap
10	1500.5	92.4	290	US-09-932-613-176	Sequence 176, App
11	1500.5	92.4	290	US-09-932-322-176	Sequence 176, App
12	1500.5	92.4	290	US-10-293-418-3231	Sequence 3231, Ap
13	1500.5	92.4	290	US-10-214-065-8	Sequence 8, Appl
14	1500.5	92.4	290	US-10-270-487-40	Sequence 40, Appl
15	1494	92.0	289	US-09-929-493-38	Sequence 38, Appl

16	1494	92.0	289	14	US-10-270-487-38	Sequence 38, Appl
17	1125.5	69.3	239	10	US-09-880-748-3232	Sequence 3232, Ap
18	1125.5	69.3	239	10	US-09-932-613-177	Sequence 177, App
19	1125.5	69.3	239	10	US-09-932-322-177	Sequence 177, App
20	1125.5	69.3	239	12	US-10-293-418-3232	Sequence 3232, Ap
21	1103.5	67.9	232	9	US-09-911-777-2	Sequence 2, Appl
22	1103.5	67.9	232	14	US-10-445-574A-2	Sequence 2, Appl
23	1003	61.8	220	10	US-09-880-748-3233	Sequence 3233, Ap
24	1003	61.8	220	10	US-09-932-613-178	Sequence 178, App
25	1003	61.8	220	10	US-09-932-322-178	Sequence 178, App
26	1003	61.8	220	12	US-10-293-418-3233	Sequence 3233, Ap
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28	981.5	60.4	207	10	US-09-932-613-179	Sequence 179, App
29	981.5	60.4	207	10	US-09-932-322-179	Sequence 179, App
30	981.5	60.4	207	12	US-10-293-418-3234	Sequence 3234, Ap
31	910	56.0	285	8	US-08-971-317A-2	Sequence 2, Appl
32	910	56.0	285	9	US-09-153-663-2	Sequence 2, Appl
33	910	56.0	285	9	US-09-877-156-1	Sequence 2, Appl
34	910	56.0	285	9	US-09-879-919-23	Sequence 2, Appl
35	910	56.0	285	9	US-09-929-493-2	Sequence 2, Appl
36	910	56.0	285	9	US-09-779-050A-2	Sequence 2, Appl
37	910	56.0	285	10	US-09-302-863-4	Sequence 4, Appl
38	910	56.0	285	10	US-09-880-748-3228	Sequence 3228, Ap
39	910	56.0	285	10	US-09-932-613-173	Sequence 173, App
40	910	56.0	285	10	US-09-855-564-4	Sequence 4, Appl
41	910	56.0	285	10	US-09-932-322-173	Sequence 173, App
42	910	56.0	285	12	US-10-147-493-24	Sequence 24, Appl
43	910	56.0	285	12	US-10-145-127-24	Sequence 24, Appl
44	910	56.0	285	12	US-10-160-503-24	Sequence 24, Appl
45	910	56.0	285	12	US-10-143-118-24	Sequence 24, Appl

ALIGNMENTS

RESULT 1
US-09-929-493-39
Sequence 39, Application US/09929493
Parent No. US020011512A1
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Neutrokin-alpha and Neutrokin-alpha Splice Variant
FILE REFERENCE: PF343P4
CURRENT APPLICATION NUMBER: US/09/929, 493
CURRENT FILING DATE: 2001-08-15
PRIOR APPLICATION NUMBER: 60/225, 628
PRIOR FILING DATE: 2000-08-15
PRIOR APPLICATION NUMBER: 60/227, 008
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: 60/234, 338
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: 60/240, 806
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/250, 020
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: 60/276, 248
PRIOR FILING DATE: 2001-03-06
PRIOR APPLICATION NUMBER: 60/293, 499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/296, 122
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 60/304, 809
PRIOR FILING DATE: 2001-07-13
NUMBER OF SEQ ID NOS: 47
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 39
LENGTH: 309
TYPE: PRT
ORGANISM: Mus Musculus
US-09-929-493-39
Query Match 100.0%; Score 1624; DB 9; Length 309;
Best Local Similarity 100.0%; Pred. No. 1.6e-157;

Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2

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US-09-880-748-3230
; Sequence 3230, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: P523
; CURRENT APPLICATION NUMBER: US/09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3230
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-880-748-3230

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Query Match 100.0%; Score 1624; DB 10; Length 309;
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QY 301 TFFGALKLL 309
Db 301 TFFGALKLL 309

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RESULT 3

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US-09-932-613-175
; Sequence 175, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Belzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
; FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US
; CURRENT APPLICATION NUMBER: US/09/932,613
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 175
; LENGTH: 309
; TYPE: PRT
; ORGANISM: mouse
US-09-932-613-175

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Query Match 100.0%; Score 1624; DB 10; Length 309;
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Db 301 TFFGALKLL 309

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US-09-932-322-175
; Sequence 175, Application US/09932322
; Publication No. US20030194743A1
; GENERAL INFORMATION:
; APPLICANT: Dyax Corp.
; APPLICANT: Belzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Ladner, Robert Charles
; TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (Blys)

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FILE REFERENCE: DYX-018.1.PCT; DYX-018.1.US
CURRENT APPLICATION NUMBER: US/09/932,322
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 175
LENGTH: 309
TYPE: PRT
ORGANISM: mouse
US-09-932-322-175

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Best Local Similarity 100.0%; Pred. No. 1,6e-157;
Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5
US-10-293-418-3230
Sequence 3230, Application US/10293418
Publication No. US2003022396A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blyss
FILE REFERENCE: PF523P2
CURRENT APPLICATION NUMBER: US/10/293,418
CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-16
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 3230
LENGTH: 309
TYPE: PRT
ORGANISM: Mus musculus
US-10-293-418-3230

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Best Local Similarity 100.0%; Pred. No. 1,6e-157;
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DB 241 VHVFGDELSTVTLFRCIQNMFKTLPNNSCYSAGIARLEEGDEIQALIPRENAQISRGDD 300
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DB 301 TFFGALKL 309

RESULT 6
US-10-270-487-39
Sequence 39, Application US/10270487
Publication No. US2003017508A1
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Neutrokin-alpha and Neutrokin-alpha Splice Variant
FILE REFERENCE: PF343P5
CURRENT APPLICATION NUMBER: US/10/270,487
CURRENT FILING DATE: 2002-10-16
PRIOR APPLICATION NUMBER: 60/368,548
PRIOR FILING DATE: 2002-04-01
PRIOR APPLICATION NUMBER: 60/336,726
PRIOR FILING DATE: 2001-12-07
PRIOR APPLICATION NUMBER: 60/331,478
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/330,835
PRIOR FILING DATE: 2001-10-31
PRIOR APPLICATION NUMBER: 60/329,747
PRIOR FILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: 60/329,508
PRIOR FILING DATE: 2001-10-17
PRIOR APPLICATION NUMBER: 09/929,493
PRIOR FILING DATE: 2001-08-15
PRIOR APPLICATION NUMBER: 60/225,628
PRIOR FILING DATE: 2000-08-15
PRIOR APPLICATION NUMBER: 60/227,008
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: 60/234,338
PRIOR FILING DATE: 2000-09-22
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 57
SOFTWARE: PatentIn Ver. 3.1
SEQ ID NO 39
LENGTH: 309
TYPE: PRT
ORGANISM: Mus musculus
US-10-270-487-39

Query Match 100.0%; Score 1624; DB 14; Length 309;
Best Local Similarity 100.0%; Pred. No. 1,6e-157;
Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 121 GHRNRAFOGPEETEQVDLSAPAPCLPCGRHSQHDNGMNLNIIQDCLQIADSDTP 180
QY 181 TIRKGTTFVPMILSFRGNALBKENKIYVROTGFFIYSQVLYTDPFAMGHVIOQKK 240
Db 181 TIRKGTTFVPMILSFRGNALBKENKIYVROTGFFIYSQVLYTDPFAMGHVIOQKK 240
QY 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
Db 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
QY 301 TTFGALKL 309
Db 301 TTFGALKL 309

RESULT 7
US-09-779-050A-4
; Sequence 4, Application US/09779050A
; Patent No. US20020160416A1
; GENERAL INFORMATION:
; APPLICANT: BOYLE, WILLIAM
; APPLICANT: HSU, HAILING
; TITLE OF INVENTION: RECEPTOR FROM TNF FAMILY
; FILE REFERENCE: A-570B
; CURRENT APPLICATION NUMBER: US/09/779, 050A
; PRIOR FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/181,800
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-779-050A-4

Query Match 99.6%; Score 1618; DB 9; Length 309;
Best Local Similarity 99.7%; Pred. No. 6.6e-157;
Matches 308; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 181 TIRKGTTFVPMILSFRGNALBKENKIYVROTGFFIYSQVLYTDPFAMGHVIOQKK 240
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Db 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
QY 301 TTFGALKL 309
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RESULT 8
US-09-929-493-40
; Sequence 40, Application US/09929493
; Patent No. US2002015112A1
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Neutroline-alpha and Neutroline-alpha Splice Variant
; FILE REFERENCE: PF343P4
; CURRENT APPLICATION NUMBER: US/09/929, 493
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/225,628
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/227,008
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/234,338
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/240,806
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/250,020
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/296,122
; PRIOR FILING DATE: 2001-06-07
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; NUMBER OF SEQ ID NOS: 47
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; SEQ ID NO 40
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; TYPE: PRT
; ORGANISM: Mus Musculus
US-09-929-493-40

Query Match 92.4%; Score 1500.5; DB 9; Length 290;
Best Local Similarity 93.5%; Pred. No. 6.6e-145;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

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QY 61 SFTMSLYQLAALQADLMNLRMELQSYRGSAATPAAGAPELTAGVKLLTPAAPPHNSR 120
Db 61 SFTMSLYQLAALQADLMNLRMELQSYRGSAATPAAGAPELTAGVKLLTPAAPPHNSR 120
QY 121 GHRNRAFOGPEETEQVDLSAPAPCLPCGRHSQHDNGMNLNIIQDCLQIADSDTP 180
Db 121 GHRNRAFOGPEETEQVDLSAPAPCLPCGRHSQHDNGMNLNIIQDCLQIADSDTP 180
QY 181 TIRKGTTFVPMILSFRGNALBKENKIYVROTGFFIYSQVLYTDPFAMGHVIOQKK 240
Db 181 TIRKGTTFVPMILSFRGNALBKENKIYVROTGFFIYSQVLYTDPFAMGHVIOQKK 221
QY 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
Db 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 281
QY 301 TTFGALKL 309
Db 282 TTFGALKL 290

RESULT 9
US-09-880-748-3231
; Sequence 3231, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys

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FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 3231
LENGTH: 290
TYPE: PRT
ORGANISM: Mus musculus
US-09-880-748-3231

Query Match
Best Local Similarity 92.4%; Score 1500.5; DB 10; Length 290;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALSS 60
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DB 61 SFTMSLYQALQADIMLRMELQSYRGSATPAAGAPELTAGVYLTPAARPNSSR 120
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DB 121 GHRRRRAFGPBEETQVDLSAPAPCLPCGRHSQHDNDGMNLRNIIQDCLQIADSDTP 180
QY 121 TIRKGYTFVPMWLSFRGNALKEKENKIVVROTGYFFIYSQVLYTDPFAMGHVYQRK 240
DB 121 TIRKGYTFVPMWLSFRGNALKEKENKIVVROTGYFFIYSQVLYTDPFAMGHVYQRK 240
QY 166 ----RTYTFVPMWLSFRGNALKEKENKIVVROTGYFFIYSQVLYTDPFAMGHVYQRK 221
DB 166 ----RTYTFVPMWLSFRGNALKEKENKIVVROTGYFFIYSQVLYTDPFAMGHVYQRK 221
QY 241 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
DB 241 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
QY 222 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 281
DB 222 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 281
QY 301 TFFGALKL 309
DB 301 TFFGALKL 290
QY 282 TFFGALKL 290
DB 282 TFFGALKL 290

RESULT 10
US-09-932-613-176
Sequence 176, Application US/09932613
Publication No. US20030091565A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
APPLICANT: Belter, James P.
APPLICANT: Poter, M. Daniel
APPLICANT: Fleming, Tony J.
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US
CURRENT APPLICATION NUMBER: US/09/932,613
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: Patent In version 3.1
SEQ ID NO 176
LENGTH: 290
TYPE: PRT
ORGANISM: mouse
US-09-932-613-176

Query Match
Best Local Similarity 92.4%; Score 1500.5; DB 10; Length 290;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

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Best Local Similarity 93.5%; Pred. No. 6.6e-145;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

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DB 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALSS 60
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DB 61 SFTMSLYQALQADIMLRMELQSYRGSATPAAGAPELTAGVYLTPAARPNSSR 120
QY 121 GHRRRRAFGPBEETQVDLSAPAPCLPCGRHSQHDNDGMNLRNIIQDCLQIADSDTP 180
DB 121 GHRRRRAFGPBEETQVDLSAPAPCLPCGRHSQHDNDGMNLRNIIQDCLQIADSDTP 180
QY 121 TIRKGYTFVPMWLSFRGNALKEKENKIVVROTGYFFIYSQVLYTDPFAMGHVYQRK 240
DB 121 TIRKGYTFVPMWLSFRGNALKEKENKIVVROTGYFFIYSQVLYTDPFAMGHVYQRK 240
QY 166 ----RTYTFVPMWLSFRGNALKEKENKIVVROTGYFFIYSQVLYTDPFAMGHVYQRK 221
DB 166 ----RTYTFVPMWLSFRGNALKEKENKIVVROTGYFFIYSQVLYTDPFAMGHVYQRK 221
QY 241 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
DB 241 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
QY 222 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 281
DB 222 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 281

RESULT 11
US-09-932-322-176
Sequence 176, Application US/09932322
Publication No. US20030194743A1
GENERAL INFORMATION:
APPLICANT: Dyax Corp.
APPLICANT: Belter, James P.
APPLICANT: Poter, M. Daniel
APPLICANT: Fleming, Tony J.
APPLICANT: Ladner, Robert Charles
TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLYS)
FILE REFERENCE: DYX-018.1 PCT; DYX-018.1 US
CURRENT APPLICATION NUMBER: US/09/932,322
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: Patent In version 3.1
SEQ ID NO 176
LENGTH: 290
TYPE: PRT
ORGANISM: mouse
US-09-932-322-176

Query Match
Best Local Similarity 92.4%; Score 1500.5; DB 10; Length 290;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

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QY 301 TFFGALKL 309
 Db 282 TFFGALKL 290

RESULT 12
 US-10-293-418-3231

Sequence 3231, Application US/10293418
 Publication No. US2003022396A1
 GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
 FILE REFERENCE: P3523p2
 CURRENT APPLICATION NUMBER: US/10/293,418
 PRIOR FILING DATE: 2002-11-27
 PRIOR APPLICATION NUMBER: 60/331,469
 PRIOR FILING DATE: 2001-11-16
 PRIOR APPLICATION NUMBER: 60/340,817
 PRIOR FILING DATE: 2001-12-19
 PRIOR APPLICATION NUMBER: 09/880,748
 PRIOR FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-16
 NUMBER OF SEQ ID NOS: 3247
 SEQ ID NO 3231
 LENGTH: 290
 TYPE: PRT
 ORGANISM: Mus musculus
 US-10-293-418-3231

Query Match 92.4%; Score 1500.5; DB 12; Length 290;
 Best Local Similarity 93.5%; Pred. No. 6.6e-145;
 Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESATLPPCLCFCEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60
 Db 1 MDESATLPPCLCFCEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60
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 Db 61 SFTAMSLYQALQADLMLRMELQSYRGSAITPAAAGAPBLTAGVLLTPAAPRPNSSR 120
 QY 121 GHRNRRAFQGPETEEDVDLSAPAPCLPGCRHSQHDNGMLRNIIODCLQIADSDTP 180
 Db 121 GHRNRRAFQGPETEEDVDLSAPAPCLPGCRHSQHDNGMLRNIIODCLQIADSDTP 180
 QY 181 TIRKGYTFVFWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 240
 Db 181 TIRKGYTFVFWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 240
 QY 166 ---RTYTFVFWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 221
 Db 166 ---RTYTFVFWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 221
 QY 241 VHVFGDELSTLTLFRCIQNMPTLPPNSCYSGAGIARLEEGDEIQLAIPRENAQISRNDD 300
 Db 241 VHVFGDELSTLTLFRCIQNMPTLPPNSCYSGAGIARLEEGDEIQLAIPRENAQISRNDD 300
 QY 301 TFFGALKL 309
 Db 282 TFFGALKL 290

RESULT 13
 US-10-214-065-8
 Sequence 8, Application US/10214065
 Publication No. US20030023038A1
 GENERAL INFORMATION:

APPLICANT: BIOGEN, INC.
 APPLICANT: Renner, Paul D.
 APPLICANT: Thompson, Jeffrey S.
 APPLICANT: Ambrose, Christine
 APPLICANT: Cachero, Teresa G.
 TITLE OF INVENTION: Heterologous Polypeptide of the TNF
 FILE REFERENCE: A092 US
 CURRENT APPLICATION NUMBER: US/10/214,065
 PRIOR FILING DATE: 2002-08-07
 PRIOR APPLICATION NUMBER: 60/181,670
 PRIOR FILING DATE: 2000-02-11
 PRIOR APPLICATION NUMBER: PCT/US01/04121
 PRIOR FILING DATE: 2001-02-08
 NUMBER OF SEQ ID NOS: 8
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 8
 LENGTH: 290
 TYPE: PRT
 ORGANISM: Homo sapien
 US-10-214-065-8

Query Match 92.4%; Score 1500.5; DB 14; Length 290;
 Best Local Similarity 93.5%; Pred. No. 6.6e-145;
 Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

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 Db 1 MDESATLPPCLCFCEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60
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 Db 61 SFTAMSLYQALQADLMLRMELQSYRGSAITPAAAGAPBLTAGVLLTPAAPRPNSSR 120
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 Db 121 GHRNRRAFQGPETEEDVDLSAPAPCLPGCRHSQHDNGMLRNIIODCLQIADSDTP 180
 QY 181 TIRKGYTFVFWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 240
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 Db 166 ---RTYTFVFWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 221
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 Db 241 VHVFGDELSTLTLFRCIQNMPTLPPNSCYSGAGIARLEEGDEIQLAIPRENAQISRNDD 300
 QY 301 TFFGALKL 309
 Db 282 TFFGALKL 290

RESULT 14
 US-10-270-487-40
 Sequence 40, Application US/10270487
 Publication No. US20030175208A1
 GENERAL INFORMATION:
 APPLICANT: Yu et al.
 TITLE OF INVENTION: Neutrokin-alpha and Neutrokin-alpha Splice Variant
 FILE REFERENCE: P343P5
 CURRENT APPLICATION NUMBER: US/10/270,487
 PRIOR FILING DATE: 2002-10-16
 PRIOR APPLICATION NUMBER: 60/368,548
 PRIOR FILING DATE: 2002-04-01
 PRIOR APPLICATION NUMBER: 60/336,726
 PRIOR FILING DATE: 2001-12-07
 PRIOR APPLICATION NUMBER: 60/331,478
 PRIOR FILING DATE: 2001-11-16
 PRIOR APPLICATION NUMBER: 60/330,835
 PRIOR FILING DATE: 2001-10-31
 PRIOR APPLICATION NUMBER: 60/329,747
 PRIOR FILING DATE: 2001-10-18
 PRIOR APPLICATION NUMBER: 60/329,508
 PRIOR FILING DATE: 2001-10-17


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; PRIOR APPLICATION NUMBER: 09/929,493
; PRIOR FILING DATE: 2001-08-15,628
; PRIOR APPLICATION NUMBER: 60/225,628
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/227,008
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/234,338
; PRIOR FILING DATE: 2000-09-22
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO: 40
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-270-487-40

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Query Match 92.4%; Score 1500.5; DB 14; Length 290;

Best Local Similarity 93.5%; Pred. No. 6,6e-145; Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

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DB 121 GHRNRRAFQGPETEDVDLSAPAPCLPCGRHSQHDNGMNLNRIIDDCQLIADSDTP 180
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DB 181 TIRKGYTFVFWLLSFKRGNALEEKENKIIVROTGFFIYSQVLYTDPPIFAMGHVIOQRK 240
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DB 166 ----RTYTFVFWLLSFKRGNALEEKENKIIVROTGFFIYSQVLYTDPPIFAMGHVIOQRK 221
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DB 241 VHVFGDELSTVTLFRCLQNMPTLPPNNSCYASAGIARLEBDEIQLAIPRENAQISRNGD 300
QY 301 TFFGALKL 309
DB 301 TFFGALKL 309
QY 282 TFFGALKL 290
DB 282 TFFGALKL 290

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RESULT 15

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US-09-929-493-38
; Sequence 38, Application US/09929493
; Patent No. US2002011512A1
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Neutrokin-alpha and Neutrokin-alpha splice variant
; FILE REFERENCE: PF343P4
; CURRENT APPLICATION NUMBER: US/09/929,493
; PRIOR APPLICATION NUMBER: 60/225,628
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/227,008
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/234,338
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/240,806
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/250,020
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/296,122
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/304,809

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; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 38
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-929-493-38

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Query Match 92.0%; Score 1494; DB 9; Length 289;

Best Local Similarity 93.5%; Pred. No. 3e-144; 0; Indels 20; Gaps 1;

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DB 1 MDESATLPPECLCFSEKGEEMKVGYPITPQKEGAMFGICRDGRLLAATLLALLSS 60
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DB 61 SFTAMSLYQLAALQADLMNLRMELQSYRGSAIPAAAGAPELTAGVKLLTPAAPRPHNSSR 120
QY 121 GHRNRRAFQGPETEDVDLSAPAPCLPCGRHSQHDNGMNLNRIIDDCQLIADSDTP 180
DB 121 GHRNRRAFQGPETEDVDLSAPAPCLPCGRHSQHDNGMNLNRIIDDCQLIADSDTP 180
QY 181 TIRKGYTFVFWLLSFKRGNALEEKENKIIVROTGFFIYSQVLYTDPPIFAMGHVIOQRK 240
DB 181 TIRKGYTFVFWLLSFKRGNALEEKENKIIVROTGFFIYSQVLYTDPPIFAMGHVIOQRK 240
QY 241 VHVFGDELSTVTLFRCLQNMPTLPPNNSCYASAGIARLEBDEIQLAIPRENAQISRNGD 300
DB 241 VHVFGDELSTVTLFRCLQNMPTLPPNNSCYASAGIARLEBDEIQLAIPRENAQISRNGD 300
QY 301 TFFGALKL 309
DB 301 TFFGALKL 289

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Job time : 86.8333 secs

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CM protein - protein search, using sw model

Run on: August 25, 2004, 14:33:53 ; Search time 26.0101 Seconds

(without alignments)
613.317 Million cell updates/sec

Title: US-09-911-777b-2

Perfect score: 1624

Sequence: 1 MDESAKTLPPCLCFCESEKX.....ENAOISRNQDPTFGALKLL 309

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Parents AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1494	92.0	289	4 US-09-589-287B-38	Sequence 38, Appl
2	1494	92.0	289	4 US-09-589-947A-38	Sequence 38, Appl
3	1494	92.0	289	4 US-09-589-286A-38	Sequence 38, Appl
4	910	56.0	285	4 US-09-286-529-1	Sequence 1, Appl
5	910	56.0	285	4 US-09-589-287B-2	Sequence 2, Appl
6	910	56.0	285	4 US-09-496-118B-1	Sequence 1, Appl
7	910	56.0	285	4 US-09-565-423-2	Sequence 2, Appl
8	910	56.0	285	4 US-09-879-919-23	Sequence 23, Appl
9	910	56.0	285	4 US-09-588-947A-2	Sequence 2, Appl
10	910	56.0	285	4 US-09-589-286A-2	Sequence 2, Appl
11	910	56.0	285	4 US-09-589-287B-19	Sequence 19, Appl
12	910	56.0	285	4 US-09-879-919-24	Sequence 24, Appl
13	910	56.0	285	4 US-09-588-947A-19	Sequence 19, Appl
14	910	56.0	285	4 US-09-589-286A-19	Sequence 19, Appl
15	910	56.0	285	4 US-09-589-287B-30	Sequence 30, Appl
16	910	56.0	285	4 US-09-588-947A-30	Sequence 30, Appl
17	910	56.0	285	4 US-09-589-286A-30	Sequence 30, Appl
18	910	56.0	285	4 US-09-589-287B-28	Sequence 28, Appl
19	910	56.0	285	4 US-09-588-947A-28	Sequence 28, Appl
20	910	56.0	285	4 US-09-589-286A-28	Sequence 28, Appl
21	910	56.0	285	4 US-09-589-287B-23	Sequence 23, Appl
22	910	56.0	285	4 US-09-588-947A-23	Sequence 23, Appl
23	910	56.0	285	4 US-09-589-286A-23	Sequence 23, Appl
24	910	56.0	285	4 US-09-496-118B-5	Sequence 5, Appl
25	910	56.0	285	4 US-09-286-529-21	Sequence 21, Appl
26	910	56.0	285	4 US-08-883-086-2	Sequence 2, Appl
27	910	56.0	285	4 US-09-565-423-3	Sequence 3, Appl

28	234.5	14.4	250	4 US-09-866-028-76	Sequence 76, Appl
29	227.5	14.0	234	4 US-09-157-864-2	Sequence 2, Appl
30	226.5	13.9	247	4 US-09-157-864-4	Sequence 4, Appl
31	226.5	13.9	250	3 US-09-153-927-4	Sequence 4, Appl
32	226.5	13.9	250	4 US-09-879-919-11	Sequence 11, Appl
33	220.5	13.6	233	4 US-10-082-260-2	Sequence 2, Appl
34	220.5	13.6	233	4 US-08-815-783-2	Sequence 2, Appl
35	220.5	13.6	233	4 US-09-879-919-2	Sequence 2, Appl
36	219.5	13.5	234	4 US-09-879-919-13	Sequence 13, Appl
37	215	13.2	205	3 US-09-286-529-5	Sequence 5, Appl
38	210	12.9	136	4 US-09-589-287B-20	Sequence 20, Appl
39	210	12.9	136	4 US-09-588-947A-20	Sequence 20, Appl
40	210	12.9	136	4 US-09-589-286A-20	Sequence 20, Appl
41	210	12.9	147	3 US-08-883-086-3	Sequence 3, Appl
42	210	12.9	168	4 US-10-082-260-4	Sequence 4, Appl
43	210	12.9	168	4 US-08-815-783-4	Sequence 4, Appl
44	210	12.9	168	4 US-09-879-919-4	Sequence 4, Appl
45	114	7.0	391	4 US-09-342-681C-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1					
US-09-589-287B-38					
Sequence 38, Application US/09589287B					
Patent No. 6403770					
GENERAL INFORMATION:					
APPLICANT: Yu et al.					
TITLE OF INVENTION: Antibodies to Neutrokin-alpha					
FILE REFERENCE: PF343D3C1					
CURRENT APPLICATION NUMBER: US/09/589,287B					
CURRENT FILING DATE: 2000-06-08					
Prior Application data removed - check PALM or file wrapper					
NUMBER OF SEQ ID NOS: 42					
SOFTWARE: SeqId Ver. 2.1					
SEQ ID NO 38					
LENGTH: 289					
TYPE: PRT					
ORGANISM: Mus musculus					
US-09-589-287B-38					
Query Match					
Best Local Similarity 92.0%; Score 1494; DB 4; Length 289;					
Matches 289; Conservative 0; Pred. No. 1.6e-161; Mismatches 0; Indels 20; Gaps 1;					
QY	1	MDESAKTLPPCLCFCESEKGMKGYDPTTPQKEGAMFGICRDRLAATLLATLSS	60		
DB	1	MDESAKTLPPCLCFCESEKGMKGYDPTTPQKEGAMFGICRDRLAATLLATLSS	60		
QY	61	STFAMSLYQALQADLMNLRMELQSYRGSATPAAGAPELLTAGVXLLTPAAPPHNSR	120		
DB	61	STFAMSLYQALQADLMNLRMELQSYRGSATPAAGAPELLTAGVXLLTPAAPPHNSR	120		
QY	121	GHRNRRAFGPEETQDDVLSAPAPCLPGCHSHDNGMRLRIIDDCQLINDSPRP	180		
DB	121	GHRNRRAFGPEETQDDVLSAPAPCLPGCHSHDNGMRLRIIDDCQLINDSPRP	180		
QY	121	GHRNRRAFGPEETQDDVLSAPAPCLPGCHSHDNGMRLRIIDDCQLINDSPRP	180		
DB	121	GHRNRRAFGPEETQDDVLSAPAPCLPGCHSHDNGMRLRIIDDCQLINDSPRP	180		
QY	181	TIKRGYTFVPMILSFKGNALFEKENKIVVQTSYFFYSQVLYTDPFAMGHYIQRK	240		
DB	181	TIKRGYTFVPMILSFKGNALFEKENKIVVQTSYFFYSQVLYTDPFAMGHYIQRK	240		
QY	241	VHVFGEISLVTLFRICQWMPKTLPPNNSYSGIARLESGEIQALIPENNOISRNQD	300		
DB	241	VHVFGEISLVTLFRICQWMPKTLPPNNSYSGIARLESGEIQALIPENNOISRNQD	300		
QY	301	TFPGALKLL 309			
DB	301	TFPGALKLL 289			
RESULT 2					
US-09-588-947A-38					

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Sequence 38, Application US/09588947A
Patent No. 6562579
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Diagnostic Methods Using Antibodies to Neutrokin-alpha
FILE REFERENCE: PF4393C2
CURRENT APPLICATION NUMBER: US/09/588,947A
CURRENT FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/588,947
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/136,784
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/142,659
PRIOR FILING DATE: 1999-07-06
PRIOR APPLICATION NUMBER: 60/145,824
PRIOR FILING DATE: 1999-07-27
PRIOR APPLICATION NUMBER: 60/167,239
PRIOR FILING DATE: 1999-11-24
PRIOR APPLICATION NUMBER: 60/168,624
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/171,108
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: 60/171,626
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/176,015
PRIOR FILING DATE: 2000-01-14
PRIOR APPLICATION NUMBER: 09/255,794
PRIOR FILING DATE: 1999-02-23
PRIOR APPLICATION NUMBER: 09/005,874
PRIOR FILING DATE: 1998-01-12
PRIOR APPLICATION NUMBER: 60/036,100
PRIOR FILING DATE: 1997-01-14
PRIOR APPLICATION NUMBER: PCT/US96/17957
PRIOR FILING DATE: 1996-10-25
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 38
LENGTH: 289
TYPE: PRT
ORGANISM: Mus musculus
US-09-588-947A-38

Query Match          92.0%; Score 1494; DB 4; Length 289;
Best Local Similarity 93.5%; Pred. No. 1.6e-161;
Matches 289; Conservative 0; Mismatches 0; Indels 20; Gaps 1;

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Db 121 GHRNRAFGQPEETEDVDLSAPAPCLPGCHSGHDNGMNRNIQDCQLIADSDTP 180
QY 181 TIRKGTTFVPMLSFKGNALBKKENKIIVRQGTGFYISQVLTDPFAMGHVYORKK 240
Db 181 -----ALBKKENKIIVRQGTGFYISQVLTDPFAMGHVYORKK 220
QY 241 VHVFGDELSTVLFRIQNMPTLPNNSGYSGIARLEGGDTQIAPRENAQIRNGDD 300
Db 221 VHVFGDELSTVLFRIQNMPTLPNNSGYSGIARLEGGDTQIAPRENAQIRNGDD 280
QY 301 TFFGALKL 309
Db 281 TFFGALKL 289

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RESULT 3
US-09-589-286A-38
Sequence 38, Application US/09589286A
Patent No. 6635482
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokin-alpha
FILE REFERENCE: PF4393C3
CURRENT APPLICATION NUMBER: US/09/589,286A
CURRENT FILING DATE: 2002-06-08
PRIOR APPLICATION NUMBER: 09/589,286
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 38
LENGTH: 289
TYPE: PRT
ORGANISM: Mus musculus
US-09-589-286A-38

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```

Query Match          92.0%; Score 1494; DB 4; Length 289;
Best Local Similarity 93.5%; Pred. No. 1.6e-161;
Matches 289; Conservative 0; Mismatches 0; Indels 20; Gaps 1;

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Db 181 -----ALEKENKLVAGTGYFIYSQVLYTDPIDPAMGHVIOKK 220
QY 241 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIAIRENAQISRNGD 300
Db 221 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIAIRENAQISRNGD 280
QY 301 TFFGALKTL 309
Db 281 TFFGALKTL 289

RESULT 4
US-09-286-529-1
; Sequence 1, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 285
; TYPE: PRT
; ORGANISM: human
US-09-286-529-1

Query Match 56.0%; Score 910; DB 3; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MDESAKTLPPPCLCFCEKGEKDMKV-GYDPTTPOKEEGAMFGICRDRLLAATLTLALLS 59
Db 1 MDSTER-EQSRILTSCLKREEMKLEKCVSILPRKESPS-VRSKDKKTLAATLTLALLS 58
QY 60 SSFTAMSLYQALALQADLMNLMELOSYSRGSAATPAAAGAPE-----LTAGVKLTTPA 111
Db 59 CCLTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKTFEPP 118
QY 112 APRPHNSSRGHRRRAAFQGEPEETQDVDSLAPAPCLPGCRHSQHDNGMNLNIIODCL 171
Db 119 APGEGNSSQNSRNRRAVQGEPEET-----VTQDCL 147
QY 172 QLIADSDPTIRKGYTFVFWMLSPKRGNALEKENKIVVROGYFFIYSQVLYTDPIDFA 231
Db 148 QLIADSETPTIQGSYTFVFWMLSPKRGSALEKENKILVKEGYFFIYQVLYTDPIDFA 207
QY 232 MGHVIOKKVHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIAIREN 291
Db 208 MGHVIOKKVHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIAIREN 267
QY 292 AQISRNGDPTFFGALKTL 309
Db 268 AQISLDGDTVFFGALKTL 285

RESULT 5
US-09-589-287B-2
; Sequence 2, Application US/09589287B
; Patent No. 6403770
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Antibodies to Neutrokin-alpha
; FILE REFERENCE: PF343P3C1
; CURRENT APPLICATION NUMBER: US/09/589,287B
; CURRENT FILING DATE: 2000-06-08
; Prior application data removed - check PALM or file wrapper
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 285
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; TYPE: PRT
; ORGANISM: human
US-09-589-287B-2

Query Match 56.0%; Score 910; DB 4; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MDESAKTLPPPCLCFCEKGEKDMKV-GYDPTTPOKEEGAMFGICRDRLLAATLTLALLS 59
Db 1 MDSTER-EQSRILTSCLKREEMKLEKCVSILPRKESPS-VRSKDKKTLAATLTLALLS 58
QY 60 SSFTAMSLYQALALQADLMNLMELOSYSRGSAATPAAAGAPE-----LTAGVKLTTPA 111
Db 59 CCLTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKTFEPP 118
QY 112 APRPHNSSRGHRRRAAFQGEPEETQDVDSLAPAPCLPGCRHSQHDNGMNLNIIODCL 171
Db 119 APGEGNSSQNSRNRRAVQGEPEET-----VTQDCL 147
QY 172 QLIADSDPTIRKGYTFVFWMLSPKRGNALEKENKIVVROGYFFIYSQVLYTDPIDFA 231
Db 148 QLIADSETPTIQGSYTFVFWMLSPKRGSALEKENKILVKEGYFFIYQVLYTDPIDFA 207
QY 232 MGHVIOKKVHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIAIREN 291
Db 208 MGHVIOKKVHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIAIREN 267
QY 292 AQISRNGDPTFFGALKTL 309
Db 268 AQISLDGDTVFFGALKTL 285

RESULT 6
US-09-496-118B-1
; Sequence 1, Application US/09496118B
; Patent No. 6475986
; GENERAL INFORMATION:
; APPLICANT: Aggarwal, Bharat B.
; TITLE OF INVENTION: Uses of THANK, a TNF homologue that Activates
; FILE REFERENCE: D6206
; CURRENT APPLICATION NUMBER: US/09/496,118B
; CURRENT FILING DATE: 2000-02-01
; PRIOR FILING DATE: 1999-02-02
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 1
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: amino acid sequence of THANK protein
US-09-496-118B-1

Query Match 56.0%; Score 910; DB 4; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MDESAKTLPPPCLCFCEKGEKDMKV-GYDPTTPOKEEGAMFGICRDRLLAATLTLALLS 59
Db 1 MDSTER-EQSRILTSCLKREEMKLEKCVSILPRKESPS-VRSKDKKTLAATLTLALLS 58
QY 60 SSFTAMSLYQALALQADLMNLMELOSYSRGSAATPAAAGAPE-----LTAGVKLTTPA 111
Db 59 CCLTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKTFEPP 118
QY 112 APRPHNSSRGHRRRAAFQGEPEETQDVDSLAPAPCLPGCRHSQHDNGMNLNIIODCL 171
Db 119 APGEGNSSQNSRNRRAVQGEPEET-----VTQDCL 147
QY 172 QLIADSDPTIRKGYTFVFWMLSPKRGNALEKENKIVVROGYFFIYSQVLYTDPIDFA 231
Db 148 QLIADSETPTIQGSYTFVFWMLSPKRGSALEKENKILVKEGYFFIYQVLYTDPIDFA 207
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RESULT 8
US-09-679-919-23
; Sequence 23, Application US/09879919
; Patent No. 6541224
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang, et al.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Epsilon
; FILE REFERENCE: PF253P1

```

1 TITLE OF INVENTION: Diagnostic Methods Using Antibodies to Neurotrophin- α
 2
 3 FILE REFERENCE: PF14393C2
 4
 5 CURRENT APPLICATION NUMBER: US/09/588,947A
 6
 7 CURRENT FILING DATE: 2000-06-08
 8
 9 PRIOR APPLICATION NUMBER: 09/588,947
 10
 11 PRIOR FILING DATE: 2000-06-08
 12
 13 PRIOR APPLICATION NUMBER: 09/507,968
 14
 15 PRIOR FILING DATE: 2000-02-22
 16
 17 PRIOR APPLICATION NUMBER: 60/122,388
 18
 19 PRIOR FILING DATE: 1999-03-02
 20
 21 PRIOR APPLICATION NUMBER: 60/124,097
 22
 23 PRIOR FILING DATE: 1999-03-12

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; PRIOR APPLICATION NUMBER: 60/126,599
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/127,598
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/130,412
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/130,696
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: 60/131,278
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131,673
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/136,784
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/142,659
; PRIOR FILING DATE: 1999-07-06
; PRIOR APPLICATION NUMBER: 60/145,824
; PRIOR FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: 60/167,239
; PRIOR FILING DATE: 1999-11-24
; PRIOR APPLICATION NUMBER: 60/168,624
; PRIOR FILING DATE: 1999-12-03
; PRIOR APPLICATION NUMBER: 60/171,108
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: 60/171,626
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/176,015
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 09/255,794
; PRIOR FILING DATE: 1999-02-23
; PRIOR APPLICATION NUMBER: 09/005,874
; PRIOR FILING DATE: 1998-01-12
; PRIOR APPLICATION NUMBER: 60/036,100
; PRIOR FILING DATE: 1997-01-14
; PRIOR APPLICATION NUMBER: PCT/US96/17957
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
; ORGANISM: human
US-09-588-947A-2

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```

Query Match      56.0%; Score 910; DB 4; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MDESAKTLPPCLCFCEKGEKDMKV-GYDPITPCKEKGWFGICRDRILATLTLALLS 59
DB 1 MDDSTER-EQSRILTSCLKREEMKKECVSILPRKESP-VRSSKDGKLLATLTLALLS 58
QY 60 SSFTMSLYOLALQADLNLRLMELQSYGSATPAAAGPE-----LTAGVCLLTPA 111
DB 59 CCLTVVSFYVAAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIPEP 118
QY 112 APRPHNSSRGHNRRAFGQPEETBODVDLSAPAPCLPGCRHSHQHDNGMNLNIIDCL 171
DB 119 AFGEGNSSQNSRNRRAVQGEET-----VTQDCL 147
QY 172 QLIADSDPTIRKGTTFVFWMLSPKGNALBEKENKIVRQTYGFYISQVLYTDPIFA 231
DB 148 QLIADSEPTIKGTYTFVFWMLSPKRGALBEKENKILIVETGTFYISQVLYTDPKTYA 207
QY 232 MGHVIOKKKXVHFGDELSTVTLFRCIQNMPTLPNNSCYSAGIARLEGEDEIOLAIPREN 291
DB 208 MGHVIOKKKXVHFGDELSTVTLFRCIQNMPTLPNNSCYSAGIARLEGEDEIOLAIPREN 267
QY 292 AOISRNGDDTFFGALKL 309
DB 268 AOISLDGDTVFFGALKL 285

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```

RESULT 10
US-09-589-286A-2
; Sequence 2, Application US/09589286A
; Patent No. 6635482
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokin-alpha
; FILE REFERENCE: PF343P3C3
; CURRENT APPLICATION NUMBER: US/09/589,286A
; CURRENT FILING DATE: 2002-06-08
; PRIOR APPLICATION NUMBER: 09/589,286
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 09/507,968
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/122,388
; PRIOR FILING DATE: 1999-03-02
; PRIOR APPLICATION NUMBER: 60/124,097
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/126,599
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/127,598
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/130,412
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/130,696
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: 60/131,278
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131,673
; PRIOR FILING DATE: 1999-04-29
; Remaining Prior Application data removed - See File wrapper or PALM.
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
; ORGANISM: human
US-09-589-286A-2

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Query Match      56.0%; Score 910; DB 4; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MDESAKTLPPCLCFCEKGEKDMKV-GYDPITPCKEKGWFGICRDRILATLTLALLS 59
DB 1 MDDSTER-EQSRILTSCLKREEMKKECVSILPRKESP-VRSSKDGKLLATLTLALLS 58
QY 60 SSFTMSLYOLALQADLNLRLMELQSYGSATPAAAGPE-----LTAGVCLLTPA 111
DB 59 CCLTVVSFYVAAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIPEP 118
QY 112 APRPHNSSRGHNRRAFGQPEETBODVDLSAPAPCLPGCRHSHQHDNGMNLNIIDCL 171
DB 119 AFGEGNSSQNSRNRRAVQGEET-----VTQDCL 147
QY 172 QLIADSDPTIRKGTTFVFWMLSPKGNALBEKENKIVRQTYGFYISQVLYTDPIFA 231
DB 148 QLIADSEPTIKGTYTFVFWMLSPKRGALBEKENKILIVETGTFYISQVLYTDPKTYA 207
QY 232 MGHVIOKKKXVHFGDELSTVTLFRCIQNMPTLPNNSCYSAGIARLEGEDEIOLAIPREN 291
DB 208 MGHVIOKKKXVHFGDELSTVTLFRCIQNMPTLPNNSCYSAGIARLEGEDEIOLAIPREN 267
QY 292 AOISRNGDDTFFGALKL 309
DB 268 AOISLDGDTVFFGALKL 285

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RESULT 11
US-09-589-287B-19
; Sequence 19, Application US/09589287B
; Patent No. 6403770
; GENERAL INFORMATION:

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APPLICANT: Yu et al.
TITLE OF INVENTION: Antibodies to Neutrokin-alpha
FILE REFERENCE: PF343P3C1
CURRENT APPLICATION NUMBER: US/09/589,287B
CURRENT FILING DATE: 2000-06-08
Prior application data removed - check PALM or file wrapper
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 19
LENGTH: 266
TYPE: PRT
ORGANISM: Homo sapiens
US-09-589-287B-19
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Query Match      50.4%; Score 818.5; DB 4; Length 266;
Best Local Similarity 55.7%; Pred. No. 1.2e-84;
Matches 177; Conservative 30; Mismatches 50; Indels 61; Gaps 5;
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QY 1 MDESATLPPPCCFSEKGEDEKV-GYDPTPQKEGAMFGICRDRLLAATLLALIS 59
DB 1 MDSTER-EGSRLTSCIKRKEEMKLECVSILPRKSPS-VRSSKQKLLAATLLALIS 58
QY 60 SSFTMSLYQALQADLNLRLMELQSYRGSAIPAAAGAP-----LTAGVLLTPA 111
DB 59 CCLTVSFYQVAAIQGLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIFEP 118
QY 112 APRPHNSRRGRNRRAQGPETEQQVDLSAPPAPCLPGCRHSQHDDNGMNLNIQDCL 171
DB 119 APGGNSSQNSRNRAQGPET----- 141
QY 172 QLIADSDPTIRKGYTFVFWLSPFRGNALBEKENKIVRQTYGYFFIYQVLYTDPIFA 231
DB 142 -----GSYFVFWLSPFRGNALBEKENKILVKETGYFFIYQVLYTDPITYA 188
QY 232 MGHVIOQRKRVHVFDELSVTLFRCTONMKTLPNNSCYASAGIARLEEGDEIQAIAPREN 291
DB 189 MGHVIOQRKRVHVFDELSVTLFRCTONMKTLPNNSCYASAGIARLEEGDEIQAIAPREN 248
QY 292 AQISRNQDDTFFGALKLL 309
DB 249 AQISLDGVTFFGALKLL 266
```

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RESULT 12
US-09-879-919-24
Sequence 24, Application US/09879919
Patent No. 6541224
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang, et al.
FILE REFERENCE: PF253P1
CURRENT APPLICATION NUMBER: US/09/879,919
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,978
PRIOR FILING DATE: 2001-03-23
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/254,875
PRIOR FILING DATE: 2000-12-13
PRIOR APPLICATION NUMBER: 60/241,952
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/211,537
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 08/815,783
PRIOR FILING DATE: 1997-03-12
PRIOR APPLICATION NUMBER: 60/016,812
PRIOR FILING DATE: 1996-03-14
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 24
LENGTH: 266
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TYPE: PRT
ORGANISM: Homo sapiens
US-09-879-919-24
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Query Match      50.4%; Score 818.5; DB 4; Length 266;
Best Local Similarity 55.7%; Pred. No. 1.2e-84;
Matches 177; Conservative 30; Mismatches 50; Indels 61; Gaps 5;
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QY 1 MDESATLPPPCCFSEKGEDEKV-GYDPTPQKEGAMFGICRDRLLAATLLALIS 59
DB 1 MDSTER-EGSRLTSCIKRKEEMKLECVSILPRKSPS-VRSSKQKLLAATLLALIS 58
QY 60 SSFTMSLYQALQADLNLRLMELQSYRGSAIPAAAGAP-----LTAGVLLTPA 111
DB 59 CCLTVSFYQVAAIQGLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIFEP 118
QY 112 APRPHNSRRGRNRRAQGPETEQQVDLSAPPAPCLPGCRHSQHDDNGMNLNIQDCL 171
DB 119 APGGNSSQNSRNRAQGPET----- 141
QY 172 QLIADSDPTIRKGYTFVFWLSPFRGNALBEKENKIVRQTYGYFFIYQVLYTDPIFA 231
DB 142 -----GSYFVFWLSPFRGNALBEKENKILVKETGYFFIYQVLYTDPITYA 188
QY 232 MGHVIOQRKRVHVFDELSVTLFRCTONMKTLPNNSCYASAGIARLEEGDEIQAIAPREN 291
DB 189 MGHVIOQRKRVHVFDELSVTLFRCTONMKTLPNNSCYASAGIARLEEGDEIQAIAPREN 248
QY 292 AQISRNQDDTFFGALKLL 309
DB 249 AQISLDGVTFFGALKLL 266
```

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RESULT 13
US-09-588-947A-19
Sequence 19, Application US/09588947A
Patent No. 6562579
GENERAL INFORMATION:
APPLICANT: Yu et al.
FILE REFERENCE: PF343P3C2
CURRENT APPLICATION NUMBER: US/09/588,947A
CURRENT FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/588,947
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/136,784
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/142,659
PRIOR FILING DATE: 1999-07-06
PRIOR APPLICATION NUMBER: 60/145,824
PRIOR FILING DATE: 1999-07-27
PRIOR APPLICATION NUMBER: 60/167,239
PRIOR FILING DATE: 1999-11-24
PRIOR APPLICATION NUMBER: 60/168,624
PRIOR FILING DATE: 1999-12-03
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RESULT 14
US-09-589-286A-19
Sequence 19, Application US/09595286A
Patent No 6635482
GENERAL INFORMATION:
APPLICANT: Xu et al.
TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neurotrophin-alpha
FILE REFERENCE: PF433P3C3
CURRENT APPLICATION NUMBER: US/09/589,286A
CURRENT FILING DATE: 2002-06-08
PRIOR APPLICATION NUMBER: 09/589,286
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,057
PRIOR FILING DATE: 1999-03-17
PRIOR APPLICATION NUMBER: 60/126,559
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,558
PRIOR FILING DATE: 1999-04-02

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/ GENERAL INFORMATION:
/ APPLICANT: Yu et al.
/ TITLE OF INVENTION: Antibodies to Neutrokin-alpha
/ FILE REFERENCE: PF33P3031
/ CURRENT APPLICATION NUMBER: US/09/589,287B
/ CURRENT FILING DATE: 2000-06-08
/ Prior application data removed - check PALM or file wrapper
/ NUMBER OF SEQ ID NOS: 42
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 30
/ LENGTH: 219
/ TYPE: prt
/ ORGANISM: Homo sapiens
/ OS-09-589-287B-30

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Query Match      50.0%; Score 811.5; DB 4 Length 219;
Best Local Similarity 64.8%; Pred. No. 5.3e-84;
Matches 162; Conservative 24; Mismatches 25; Indels 39; Gaps 2

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